

# LBT-D570/N355/N355K/N355KR

## SERVICE MANUAL

*US Model*  
*Canadian Model*  
*LBT-D570*

*AEP Model*  
*UK Model*  
*Australian Model*  
*PX Model*  
*LBT-N355*

*E Model*  
*LBT-D570/N355/N355K/N355KR*

- LBT-D570/N355/N355K/N355KR are composed of following models.  
As for the service manual, it is issued for each component model,  
then, please refer to it.

### COMPONENT MODEL NAME FOR THESE SYSTEM

	LBT-D570		LBT-N355										LBT-N355K				LBT-N355KR	
	US	CND	MX	AEP	UK	G	IT	EE	E	MX	AR	AUS	PX	E	EA	MY	SP	IA
COMPACT DISC STEREO DECK RECEIVER	HCD-D570	HCD-N355										HCD-N355K						
SPEAKER SYSTEM	SS-D2700	SS-LB355										SS-LB355V				SS-N355		
SURROUND SPEAKER	SS-SR120																	

#### • Abbreviation

CND	: Canadian	SP	: Singapore
G	: German	MY	: Malaysia
IT	: Italian	AUS	: Australian
EE	: East European	AR	: Argentine
EA	: Saudi Arabia	TH	: Thailand
MX	: Mexican	IA	: Indonesian

**COMPACT Hi-Fi STEREO SYSTEM**  
**SONY®**

## PARTS LIST

### NOTE :

- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

### • Abbreviation

CND	: Canadian	SP	: Singapore
G	: German	MY	: Malaysia
IT	: Italian	AUS	: Australian
EE	: East European	AR	: Argentine
EA	: Saudi Arabia	TH	: Thailand
MX	: Mexican	IA	: Indonesian

Part No.	Description	Remark
***** ACCESSORIES & PACKING MATERIALS *****		
1-501-374-11	ANTENNA, LOOP	
1-501-659-41	ANTENNA (FM) (EXCEPT AEP, UK, IT, EE, G)	
1-501-804-11	ANTENNA (FM) (AEP, UK, IT, EE)	
1-751-347-11	CORD, CONNECTION (10m) (SR)	
3-810-802-11	MANUAL, INSTRUCTION (ENGLISH) (UK)	
3-810-802-21	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, PORTUGUESE) (AEP)	
3-810-802-31	MANUAL, INSTRUCTION (GERMAN, DUTCH, SWEDISH, ITALIAN) (AEP, IT)	
3-810-802-41	MANUAL, INSTRUCTION (DANISH, FINNISH) (AEP)	
3-810-802-51	MANUAL, INSTRUCTION (GERMAN) (G)	
3-810-802-61	MANUAL, INSTRUCTION (ENGLISH, POLISH, RUSSIAN) (EE)	
3-810-803-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, CHINESE) (E,EA,MY,SP,IA,AR,AUS,PX)	
3-810-803-21	MANUAL, INSTRUCTION (SPANISH) (N355 : MX)	
3-810-803-31	MANUAL, INSTRUCTION (ARABIC) (EA)	
3-810-803-61	MANUAL, INSTRUCTION (ENGLISH) (US, CND)	
3-810-803-71	MANUAL, INSTRUCTION (FRENCH) (CND)	
3-810-803-81	MANUAL, INSTRUCTION (SPANISH) (D570 : MX)	
3-856-624-11	MANUAL, INSTRUCTION (ENGLISH, THAI) (TH)	
* 4-979-300-01	INDIVIDUAL CARTON (HCD) (N355 : AEP, UK, G, IT, EE)	
* 4-979-302-01	INDIVIDUAL CARTON (HCD+SS) (N355 : E, MX, AR)	
* 4-979-303-01	INDIVIDUAL CARTON (HCD+SS) (AUS, PX)	
* 4-979-304-01	INDIVIDUAL CARTON (HCD+SS) (N355K : E, EA, SP, IA)	
* 4-979-305-01	INDIVIDUAL CARTON (HCD+SS+SR) (US)	
* 4-979-308-01	INDIVIDUAL CARTON (HCD+SS+SR) (CND)	
* 4-979-316-01	INDIVIDUAL CARTON (HCD+SS+SR) (D570 : MX)	
4-979-371-01	COVER, BATTERY (for RM-SD50)	
* 4-979-431-01	CUSHION (BOTTOM) (HCD)	
* 4-979-452-01	CUSHION (SS) (EXCEPT TH)	
* 4-980-140-01	CUSHION (UPPER) (HCD)	
* 4-981-896-01	INDIVIDUAL CARTON (HCD+SS) (N355K : MY)	
* 4-981-897-01	INDIVIDUAL CARTON (HCD) (N355K : TH)	
* 4-982-587-01	CUSHION (SR) (UPPER)	
* 4-982-588-01	CUSHION (SR) (LOWER)	
* 4-983-674-01	CUSHION (SS) (TH)	
* 4-983-675-01	INDIVIDUAL CARTON (SS) (TH)	
8-917-537-90	REMOTE COMMANDER (RM-SD50)	

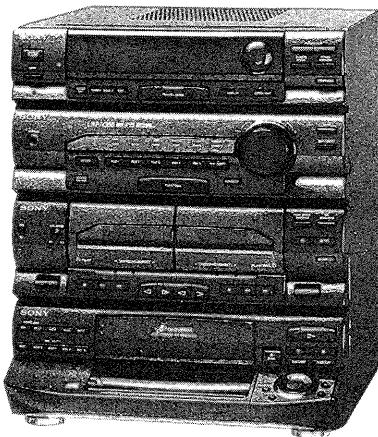
**Sony Corporation**  
**Consumer A&V Products Company**  
**Home A&V Products Div.**

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96B0495-1  
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# HCD-D570/N355/N355K

## SERVICE MANUAL



These sets are the tuner, deck, CD and amplifier section in LBT-D570, LBT-N355 and LBT-N355K.

Photo : N355 (E) model

*US Model*

*Canadian Model*

*HCD-D570*

*AEP Model*

*UK Model*

*Australian Model*

*PX Model*

*HCD-N355*

*E Model*

*HCD-N355/N355K*

- \* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
- "DOLBY" and the double-D symbol  are trademarks of Dolby Laboratories Licensing Corporation.

CD SECTION	Model Name Using Similar Mechanism	HCD-D270/G3100/N255
	CD Mechanism Type	CDM37-5BD19
	Base Unit Type	BU-5BD19
	Optical Pick-up Type	KSS-213BAS-N
TAPE DECK SECTION	Model Name Using Similar Mechanism	HCD-N350
	Tape Transport Mechanism Type	TCM-220WR2E

### SPECIFICATIONS

#### AUDIO POWER SPECIFICATIONS

##### POWER OUTPUT AND

##### TOTAL HARMONIC

##### DISTORTION:

With 8 ohm loads, both channels driven, from 70 – 20,000 Hz; rated 100 watts per channel minimum RMS power, with no more than 0.9% total harmonic distortion from 250 milliwatts to rated output.

##### CD player section

System Compact disc and digital audio system  
Laser Semiconductor laser ( $\lambda = 780$  nm)  
Emission duration: continuous

laser output Max 44.6  $\mu$ W\*

\* This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block with 7 mm aperture.

Wavelength 780 – 790 nm

##### Tuner section

FM stereo, FM/AM superheterodyne tuner

##### FM tuner section

87.5 – 108.0 MHz  
(50 kHz step)  
Aerial FM wire aerial  
Aerial terminals 75 ohm unbalanced  
Intermediate frequency 10.7 MHz

##### AM tuner section

Tuning range  
German and Italian models:  
AM: 531-1, 602 kHz

AEP, UK, East European models:

MW: 531-1, 602 kHz  
LW: 153-279 kHz  
(with the tuning interval set at 3 kHz)

Saudi Arabia model:

MW: 531 – 1,602 kHz  
(with the MW tuning interval set at 9 kHz)  
SW: 5.95 – 17.90 MHz

Other models:

AM: 531 – 1,602 kHz  
(except D570 model)  
531 – 1,710 kHz  
(D570 model)  
(with the AM tuning interval set at 9 kHz)  
530 – 1,710 kHz  
(with the AM tuning interval set at 10 kHz)

— Continued on next page —

**COMPACT DISC DECK RECEIVER**  
**SONY®**

**Aerial** AM loop aerial  
 External aerial  
 terminals  
**Intermediate frequency** 450 kHz  
  
**Tape player section**  
**Recording system** 4-track 2-channel stereo  
**Frequency response**  
 (DOLBY NR OFF)  
 40 – 13,000 Hz (±3 dB), using SONY TYPE I cassette  
 40 – 14,000 Hz (±3 dB), using SONY TYPE II cassette  
**Wow and flutter**  
 ±0.15% W.Peak (IEC)  
 0.1% W.RMS (NAB)  
 ±0.2% W.Peak (DIN)

### Amplifier section

**Peak music power output:**  
 AEP, UK, German, Italian, East European models:  
 (55 W + 55 W) (6 Ω at 1 kHz, 0.7% THD)

Other (except D570) models:  
 1,000 W (6 Ω at 1 kHz, 10% THD)

**Continuous RMS power output:**  
 AEP, UK, German, Italian, East European models:  
 (65 W + 65 W) (6 Ω at 1 kHz, 10% THD)

US model: 100 W + 100 W (8Ω at 70 – 20,000 Hz, 0.9% THD)

Canadian model:  
 100 W + 100 W (8Ω at 1 kHz, 5% THD)

Other models:  
 (60 W + 60 W) (6 Ω at 1 kHz, 10% THD)

**Music power output:**  
 AEP, UK, German, Italian, East European models:  
 (110 W + 110 W) (6 Ω at 1 kHz, 10% THD)

**Inputs**  
**PHONO (phono jack):**  
 Sensitivity 3 mV, impedance 47 kilohms

**VIDEO (AUDIO) (phono jack):**  
 Sensitivity 250 mV, impedance 47 kilohms

**MIC (phone jack):** (N355: E, Australian, Mexican, PX, Argentine/N355K models)  
 Sensitivity 1 mV, impedance 10 kilohms

**Outputs**  
**PHONES (phone jack):**  
 accept headphones of 8 ohms or more

**SPEAKER:** accept impedance of 8Ω (D570 model), 6 to 16 ohms (Other models)

**SURROUND SPEAKER:**  
 (Malaysian, Mexican and Singapore models)  
 accept impedance of 16 ohms

(Other models)  
 accept impedance of 8 to 16 ohms

### General

**Power requirements**

AEP, UK, German, Italian, East European models:  
 220-230 V AC, 50/60 Hz

Australian model:  
 240 V AC, 50/60 Hz

US, Canadian, Mexican models:  
 120 V AC, 60 Hz

Malaysian model:  
 220 - 240 V AC, 50/60 Hz

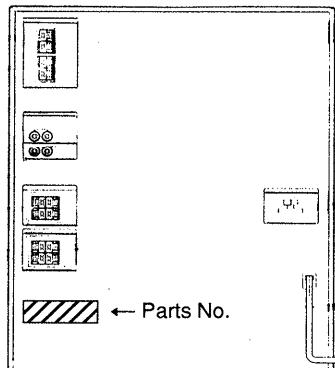
**Thailand model:**  
 220 V AC, 50/60 Hz  
**Other models:**  
 110 - 120 V or 220 - 240 V AC  
 adjustable, 50/60 Hz  
**Power consumption**  
 160 W (AEP, UK, German,  
 Italian, East European models)  
 250 W (US model)  
 310 VA (Canadian model)  
 185 W (Other models)

**Dimensions**  
 Approx. 355 × 425 × 400 mm  
 (14 × 16 3/4 × 15 3/4 inches) (w/h/d)  
 incl. projecting parts and controls

**Mass**  
 Approx. 11 kg (24 lb 4 oz.) (AEP, UK,  
 German, Italian, East European models)  
 Approx. 11.7 kg (25 lb 13 oz.)  
 (Other models)  
 Approx. 11.9 kg (26 lb 4 oz.)  
 (D570 model)

Design and specifications subject to change  
 without notice.

### MODEL IDENTIFICATION — BACK PANEL —



MODEL	PARTS No.
N355 : AEP model	4-978-189-0□
N355 : German model	4-978-189-1□
N355 : Italian model	4-978-189-2□
N355 : UK model	4-978-189-3□
N355 : East European model	4-978-189-5□
D570 : US model	4-978-189-6□
D570 : Canadian model	4-978-189-7□
N355 : E model	4-978-190-0□
N355 : Argentine model	4-978-190-1□
N355 : Australian model	4-978-190-2□
N355 : PX model	4-978-190-3□
N355 : Mexican model	4-978-190-4□
N355K : E, Indonesian model	4-978-190-5□
N355K : Saudi Arabia model	4-978-190-6□
N355K : Singapore (SP2) model	4-978-190-7□
N355K : Singapore (SP4) model	4-978-190-8□
N355K : Malaysia, Thailand model	4-978-190-9□

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• Abbreviation					
CND : Canadian model.					
G : German model.					
IT : Italian model.					
EE : East European model.					
EA : Saudi Arabia model.					
MX : Mexican model.					
SP : Singapore model.					
MY : Malaysia model.					
AUS : Australian model.					
AR : Argentine model.					
TH : Thailand model.					
IA : Indonesian model.					

## CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

## Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

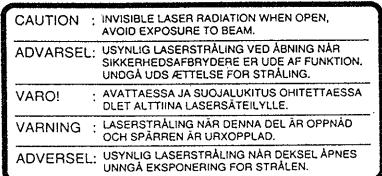
## Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270 °C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.

CLASS 1 LASER PRODUCT  
LUOKAN 1 LASERLAITE  
KLASS 1 LASERAPPARAT

This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.



This caution label is located inside the unit.

## SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

## LEAKAGE

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

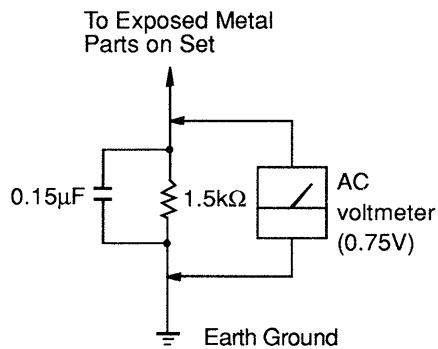


Fig. A. Using an AC voltmeter to check AC leakage.

## SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY MARK  $\Delta$  OR DOTTED LINE WITH MARK  $\Delta$  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

## ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE  $\Delta$  SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

## SERVICING NOTE

### NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.

During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.

The flexible board is easily damaged and should be handled with care.

### NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

#### [FL Dispaly Tube, LED All Lit and Key Check mode]

When the **[TUNER/BAND]**, **[DISPLAY/DEMO]**, and **[FILE 2]** buttons are pressed simultaneously, the FL display tube and LEDs will all light up. Press any button to enter the key check mode.

When the key check mode is entered, the FL display tube displays "K 1 J0 V0". Each time a button is pressed, the counter increases in the following order, K 2 → K 3 → K 4.

If buttons already pressed once are pressed again, the counter will not increase. When the VOLUME knob is rotated in the + direction, the count increases in the following order.

V1 → V2 → V3.

When rotated in the - direction, it decreases in the following order.

V0 → V9 → V8.

When the AMS dial is rotated in the clockwise direction, the count increases in the following order.

J1 → J2 → J3.

When rotated in the counterclockwise direction, it decreases in the following order.

J0 → J9 → J8.

To exit form the test mode, press the **[TUNER/BAND]**, **[DISPLAY/DEMO]**, **[FILE 2]** buttons simultaneously again.

#### [Switching the channel step 9 KHz/10 KHz]

Press **[ENTER/NEXT]** button and **[POWER]** button simultaneously to switch the AM channel step 9 KHz and 10 KHz. Be sure not to change with carelessness.

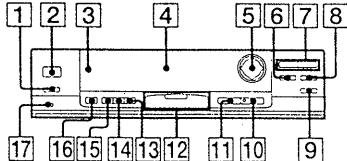
# SECTION 1

## GENERAL

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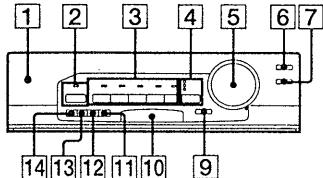
### Front Panel

#### Tuner section



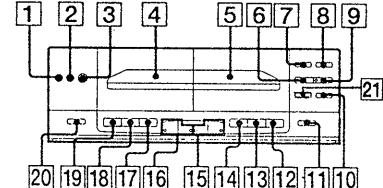
- 1 SLEEP button (23)
- 2 SYSTEM POWER switch (7)
- 3 Remote sensor
- 4 Display window (30)
- 5 CURSOR CONTROL buttons (6, 21)
- 6 TUNING MODE button (12)
- 7 TUNING +/- buttons (12)
- 8 TUNER MEMORY button (13)
- 9 STEREO/MONO button (12)
- 10 ENTER/NEXT button (6, 9, 21)
- 11 DISPLAY/DEMO button (6, 8, 21)
- 12 TUNER/BAND button (12, 18, 24)
- 13 REC button (24)
- 14 DAILY 2 button (23)
- 15 DAILY 1 button (23)
- 16 TIMER SET button (23)
- 17 CLOCK SET button (6)

#### Amplifier section



- 1 PHONES jack (20)
- 2 EFFECT button/indicator (20)
- 3 FILE 1 – 5 buttons/indicators (20, 21)
- 4 FILE SELECT button/indicators (20, 21)
- 5 VOLUME control (7, 20)
- 6 DBFB button (20)
- 7 SURROUND button (15, 21)
- 9 MEMORY button (22)
- 10 FUNCTION button (7, 14)
- 11 # UP button\* (26)
- 12 # DOWN button\* (26)
- 13 ECHO button\* (25)
- 14 KARAOKE PON/MPX button (25)  
(N355: E, MX, AR, AUS, PX/N355K)
- \* HCD-N355K only

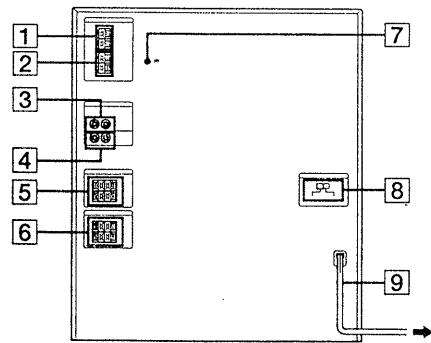
#### Tape player section



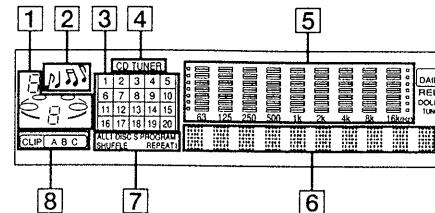
- 1 MIC (MIC 1\*) jack (25)
- 2 MIC 2 jack (25) (N355K only)
- 3 MIC LEVEL control\* (25)
- 4 Cassette compartment for DECK A (14)
- 5 Cassette compartment for DECK B (14)
- 6 II (pause) button (14)
- 7 HIGH SPEED DUBBING button (19)
- 8 CD SYNCHRO button (15)
- 9 REC (recording) button (15)
- 10 DIRECTION button (15)
- 11 ▲ EJECT button for DECK B (14)
- 12 ▷▷ (fast rightward) button for DECK B (14)
- 13 ◀◀ (fast leftward) button for DECK B (14)
- 14 □ STOP button for DECK B (14)
- 15 ◀◀/▷▷ (play) button for DECK B (14)
- 16 ◀◀/▷▷ (play) button for DECK A (14)
- 17 ▷▷ (fast rightward) button for DECK A (14)
- 18 ◀◀ (fast leftward) button for DECK A (14)
- 19 □ STOP button for DECK A (14)
- 20 ▲ EJECT button for DECK A (14)
- 21 DOLBY NR button  
(D570/N355: AEP, UK, G, IT, EE models)

\* N355: E, AUS, PX, MX, AR/N355K only

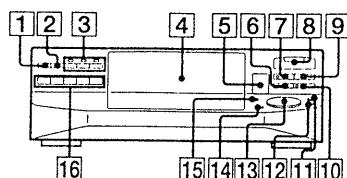
### Rear Panel



- 1 AM terminal (4)
- 2 FM 75Ω terminal (4)
- 3 PHONO IN jacks (26)
- 4 VIDEO (AUDIO) IN jacks (26)
- 5 SPEAKER connectors (5)
- 6 SURROUND SPEAKER connectors (5)
- 7 ground terminal (5)
- 8 VOLTAGE SELECTOR (N355: E, PX, AR/N355K: E, EA, IA models) (6)
- 9 AC power cord (6)



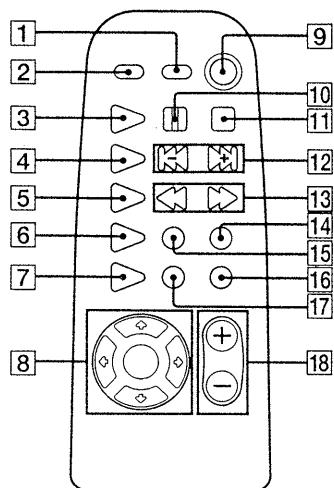
#### CD player section



- 1 MUSIC CLIP PLAY button (11)
- 2 MUSIC CLIP ERASE button (11)
- 3 CLIP A, B, C buttons/indicators (10)
- 4 Front cover (7)
- 5 ▲ OPEN button (7)
- 6 DISC SKIP button (7)
- 7 II (pause) button (7)
- 8 ▷▷ (play) button (7)
- 9 □ (stop) button (7)
- 10 AUTO button/indicator (7)
- 11 PROGRAM button (9)
- 12 REPEAT button (9)
- 13 JOG dial (7)
- 14 SHUFFLE buttons (8)
- 15 CONTINUE button (7)
- 16 DISC 1 – 5 buttons (7)

- 1 Disc calendar (7)
- 2 Demo mode indications (6)
- 3 Music calendar (7)
- 4 CD/TUNER indication (7)
- 5 Graphic Equalizer indication (21)
- 6 Multi-display (7, 12, 21)
- 7 CD play mode indications (8)
- 8 CLIP indicator (11)
- 9 Tape direction mode indication (14)
- 10 Timer indication (24)
- 11 VOLUME indication (7)
- 12 KARAOKE PON/MPX R L indication (25)  
(N355: E, AUS, PX, MX, AR/N355K models)
- 13 DBFB indication (20)
- 14 SUR indication (15, 21)
- 15 SYNC REC indicator (15)
- 16 Tuning mode indications (12)
- 17 STEP/frequency waves indication (12)
- 18 TUNED/STEREO/MONO indications (12)
- 19 DOLBY NR B indication (D570/N355: AEP, UK, G, IT, EE models)

## Remote



- ① SLEEP button (23)
- ② LOOP button (10)
- ③ CD ▷ (play) button (7)
- ④ TUNER/BAND ▷ button (12)
- ⑤ DECK A ▷ button (14)
- ⑥ DECK B ▷ button (14)
- ⑦ FUNCTION button (7, 14)
- ⑧ MUSIC MENU buttons (20)
- ⑨ POWER button (7)
- ⑩ ॥ (pause) (7)
- ⑪ □ (stop) (7)
- ⑫ ☰ / ☱ buttons (7)
- ⑬ ☲ / ☳ buttons (8)
- ⑭ EDIT button (16)
- ⑮ CHECK button (9)
- ⑯ DISC SKIP button (9)
- ⑰ CLEAR button (9)
- ⑱ VOL (volume) +/− buttons (7, 20)

- Abbreviation
  - CND : Canadian model.
  - G : German model.
  - IT : Italian model.
  - EE : East European model.
  - EA : Saudi Arabia model.
  - MX : Mexican model.
  - SP : Singapore model.
  - MY : Malaysia model.
  - AUS : Australian model.
  - AR : Argentine model.
  - TH : Thailand model.
  - IA : Indonesian model.

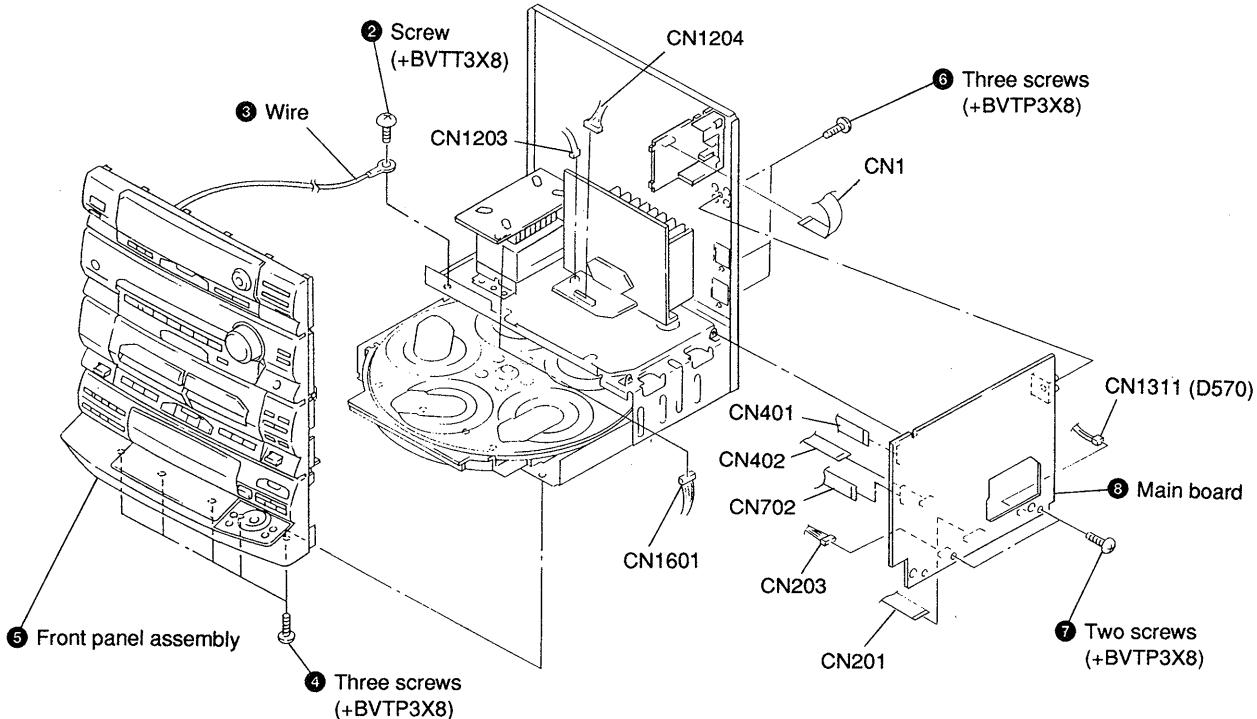
## SECTION 2

### DISASSEMBLY

**Note :** Follow the disassembly procedure in the numerical order given.

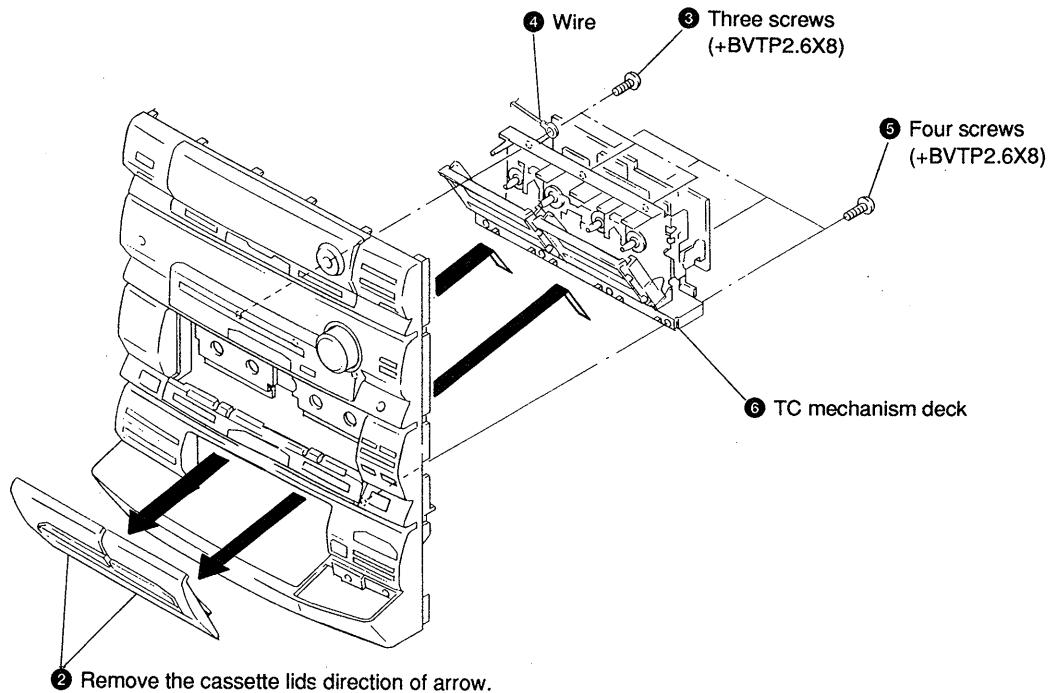
#### 2-1. FRONT PANEL ASSY AND MAIN BOARD

- ① Remove the connectors.

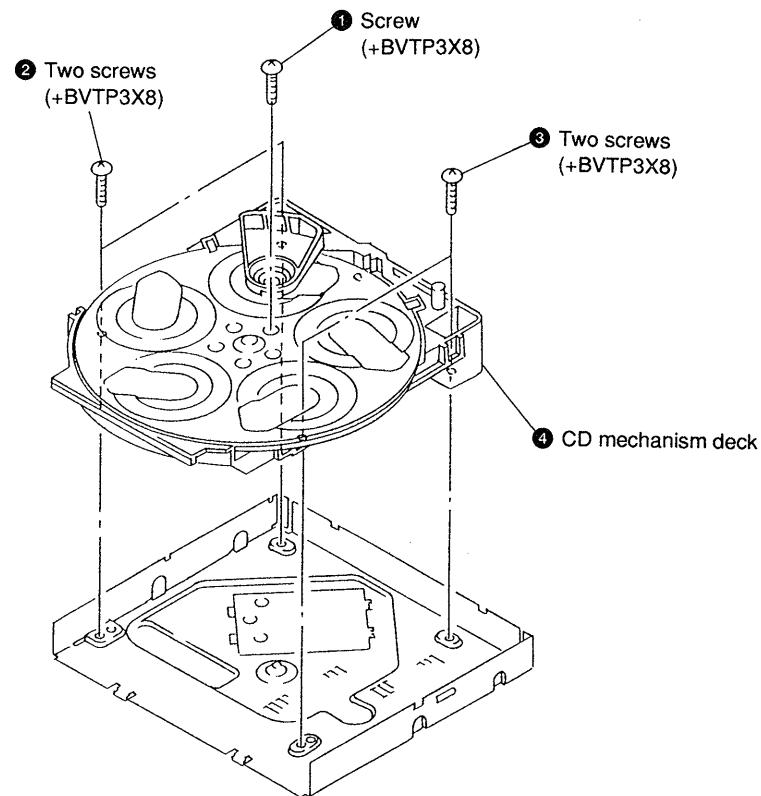


#### 2-2. TC MECHANISM DECK

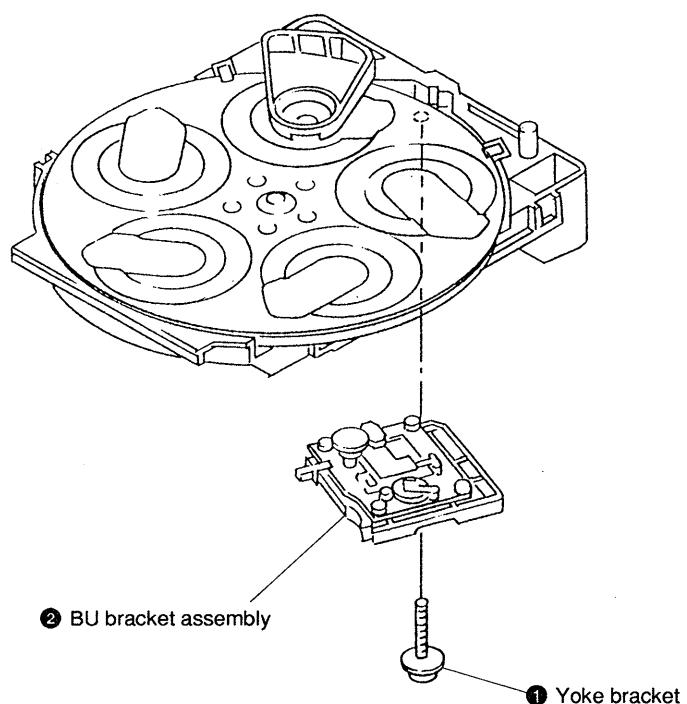
- ① Push the EJECT button.



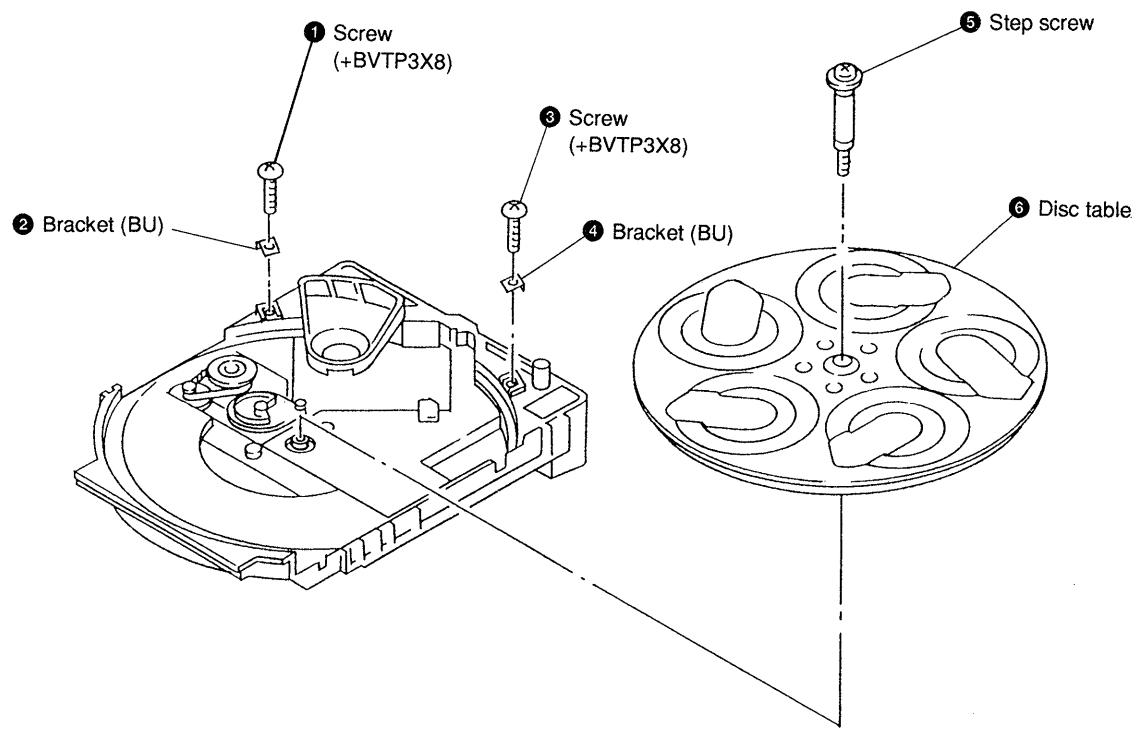
## 2-3. CD MECHANISM DECK



## 2-4. BU BRACKET ASSY



## 2-5. DISC TABLE



## SECTION 3 MECHANICAL ADJUSTMENTS

### PRECAUTION

1. Clean the following parts with a denatured alcohol-moistened swab :
 

record/playback heads	pinch rollers
erase head	rubber belts
capstan	idle
2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

### Torque Measurement

Torque	Torque meter	Meter reading
FWD	CQ-102C	36 to 61g · cm (0.5 – 0.84 oz · inch)
FWD back tension	CQ-102C	2 to 6g · cm (0.02 – 0.08 oz · inch)
REV	CQ-102RC	36 to 61g · cm (0.5 – 0.84 oz · inch)
REV back tension	CQ-102RC	2 to 6g · cm (0.02 – 0.08 oz · inch)
FF/REW	CQ-201B	61 to 143g · cm (0.85 – 1.99 oz · inch)
FWD tension	CQ-403A	100g or more (3.53 oz or more)
REV tension	CQ-403R	100g or more (3.53 oz or more)

## SECTION 4 ELECTRICAL ADJUSTMENTS

### DECK SECTION 0 dB=0.775V

1. Demagnetize the record/playback head with a head demagnetizer.
2. Do not use a magnetized screwdriver for the adjustments.
3. After the adjustments, apply suitable locking compound to the parts adjusted.
4. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
5. The adjustments should be performed in the order given in this service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment.)
6. The adjustments should be performed for both L-CH and R-CH.
7. Switches and controls should be set as follows unless otherwise specified.
 

DOLBY NR switch : OFF (D570/N355 : AEP, UK, German, Italian, East European model)
---
8. Set to test mode. (Press key switch simultaneously **[DISPLAY/DEMO]**, **[TUNER/BAND]** and **[FILE 1]** button.)

Tape	Signal	Used for
P-4-A100	10 kHz, -10 dB	Azimuth Adjustment
WS-48B	3 kHz, 0 dB	Tape Speed Adjustment
P-4-L300	315 Hz, 0 dB	Level Adjustment

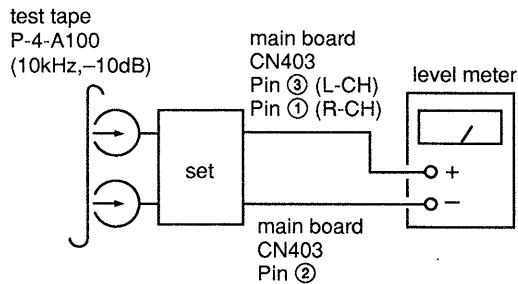
### Record/Playback Head Azimuth Adjustment

#### DECK A DECK B

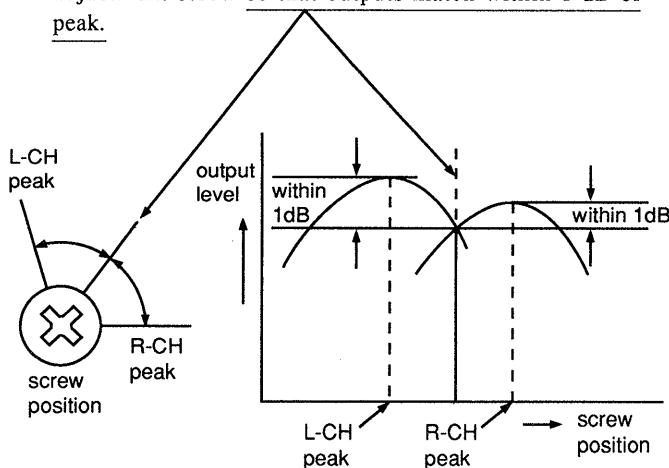
Note : Perform this adjustments for both decks.

#### Procedure :

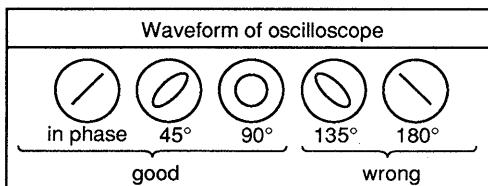
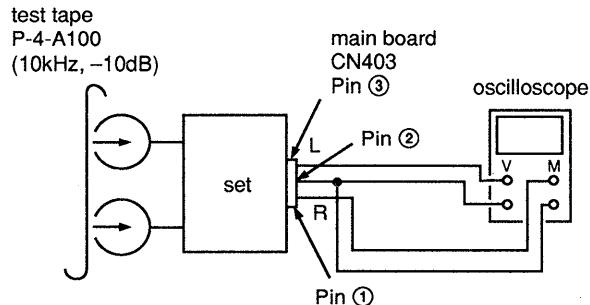
1. Mode : Playback (FWD)



2. Turn the adjustment screw and check output peaks. If the peaks do not match for L-CH and R-CH, turn the adjustment screw so that outputs match within 1 dB of peak.

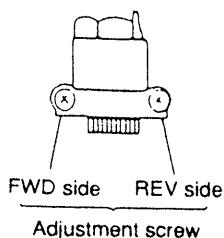


3. Mode : Playback (FWD)



4. Repeat steps 1 to 3 in playback (REV) mode.  
 5. After the adjustments, apply suitable locking compound to the parts adjusted.

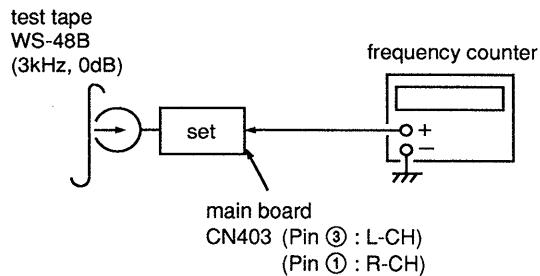
**Adjustment Location :** Record/Playback Head (Deck A and B)



## Tape Speed Adjustment DECK A

### Procedure :

Mode : Playback (FWD)



### High speed adjustment

1. Set to test mode. (See page 11)
2. Insert the WS-48B to the deck A to playback.
3. Press the **HIGH SPEED DUBBING** button. Then at HIGH speed mode.
4. Adjust RV652 on the MD board so that the frequency counter reading becomes  $6,000 \pm 30$  Hz.
5. Press the **HIGH SPEED DUBBING** button again to be set the NORMAL SPEED mode.

### Normal speed adjustment

1. Set to the playback mode.
2. Adjust RV651 on the MD board so that the frequency counter reading becomes  $3,000 \pm 15$  Hz.

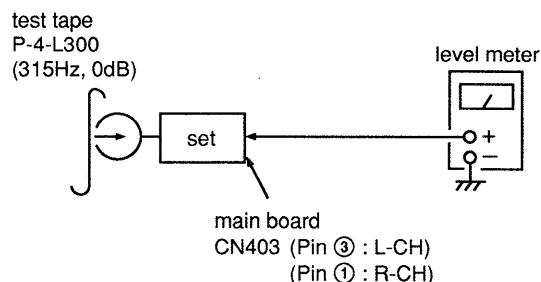
Frequency difference between deck A and deck B the beginning of the tape should be within  $\pm 1.5\%$ .

**Adjustment Location :** MD board

## Playback Level Adjustment DECK A DECK B

### Procedure :

Mode : Playback (FWD)



Deck A is RV311 (L-CH) and RV411 (R-CH), deck B is RV301 (L-CH) and RV401 (R-CH) so that adjustment within the following adjustment level.

### Adjustment level :

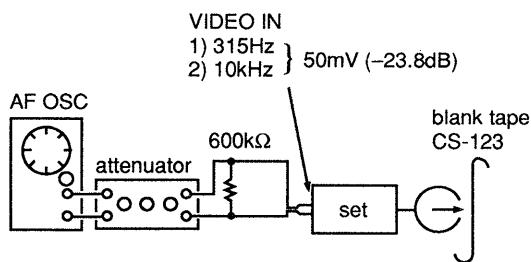
CN403 PB level: 301.5 to 338.3 mV (-8.2 to -7.2 dB)  
 level difference between the channels: within  $\pm 0.5$  dB

**Adjustment Location :** MD board

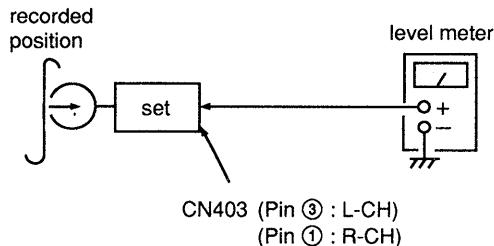
## Record Bias Current Adjustment [DECK B]

### Procedure :

#### 1. Mode : record



#### 2. Mode : Playback



Confirm playback the signal recorded in step 1 become adjustment level as follows.

If these levels do not adjustment level, adjust the RV341 (L-CH) and RV441 (R-CH) on the MD board to repeat step 1 and 2.

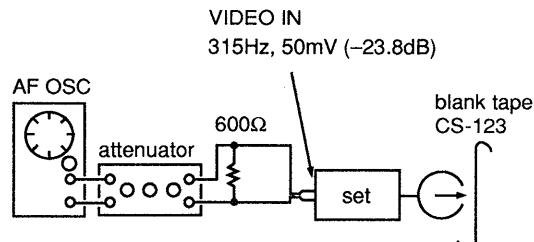
**Adjustment level :** The playback output of 10 kHz level difference against 315Hz reference should be  $\pm 0.5$  dB

**Adjustment Location :** MD board

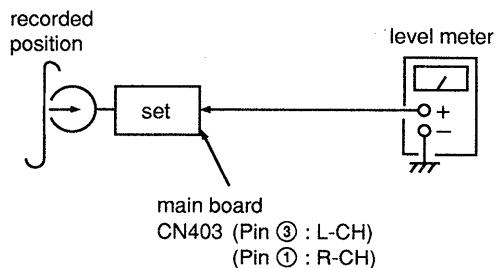
## Record Level Adjustment [DECK B]

### Procedure :

#### 1. Mode: record



#### 2. Mode: Playback



Confirm playback the signal recorded in step 1 become adjustment level as follows.

If these levels do not adjustment level, adjust the RV301 (L-CH) and RV351 (R-CH) on the main board to repeat steps 1 and 2.

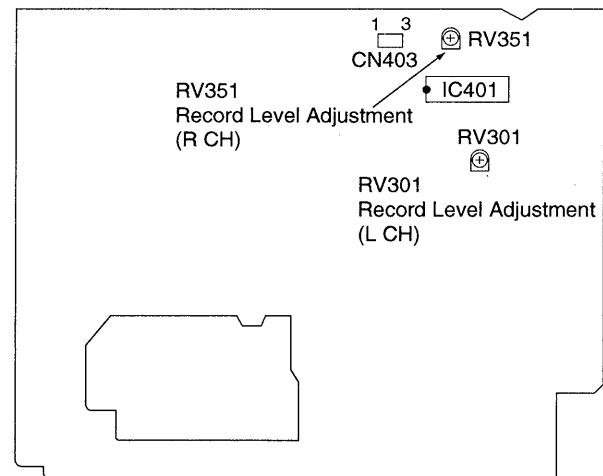
### Adjustment level :

CN403 PB level : 47.2 to 53.0 mV (-24.3 to -23.3 dB)

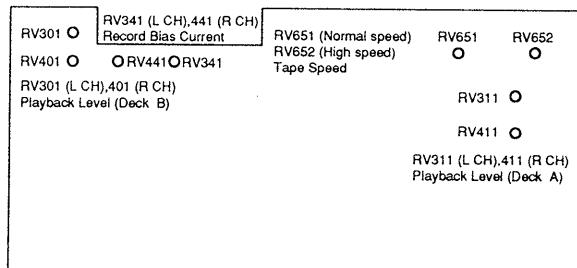
**Adjustment Location :** main board

### Adjustment Location

#### [MAIN BOARD] (Component Side)



#### [MD BOARD] (Conductor Side)



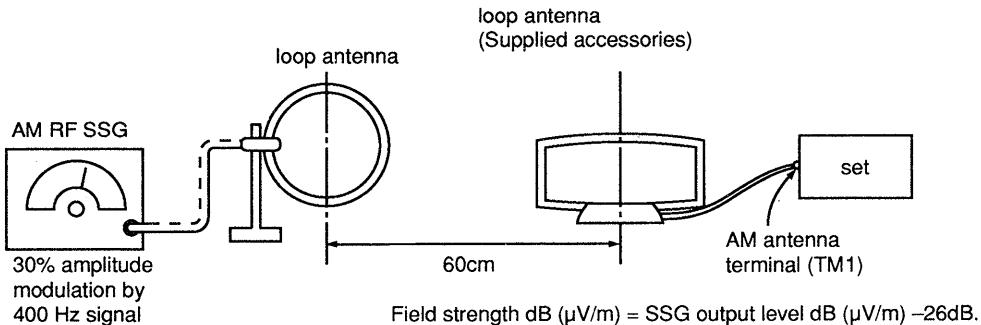
**TUNER SECTION** **0dB=1μV**

**Note :** As a front-end (FE1) is difficult to repair if faulty, replace it with new one.

**AM Tuned Level Adjustment**

**Note :** FM Tuned Level Adjustment should be performed after this AM Tuned Level Adjustment.

**Setting :**



Band : AM or MW

**Procedure :**

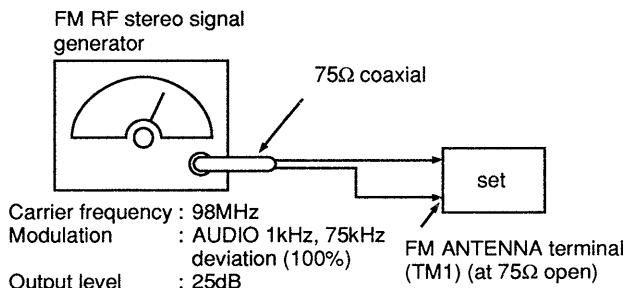
1. Set the output of SSG so that the input level of the set becomes 55 dB.
2. Tune the set to 1,050 kHz (MX, AR models), 999 kHz (other models).
3. Adjust RV41 (AEP, UK, IT, G, EA, EE models), RV42 (other models) to the point (moment) when the TUNED indicator will change from going off to going on.

**Adjustment Location :** TCB board

**FM Tuned Level Adjustment**

**Note :** This adjustment should be performed after AM Tuned Level Adjustment.

**Setting :**



Band : FM

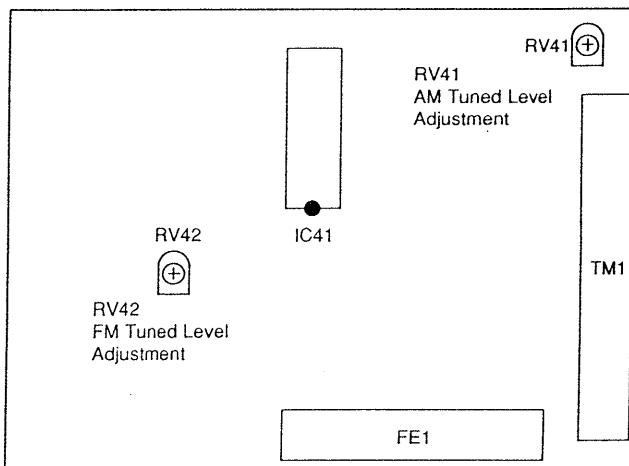
**Procedure :**

1. Supply a 25 dB 98 MHz signal from the ANTENNA terminal.
2. Tune the set to 98 MHz.
3. Adjust RV42 (AEP, UK, IT, G, EA, EE models), RV41 (other models) to the point (moment) when the TUNED indicator will change from going off to going on.

**Adjustment Location :** TCB board

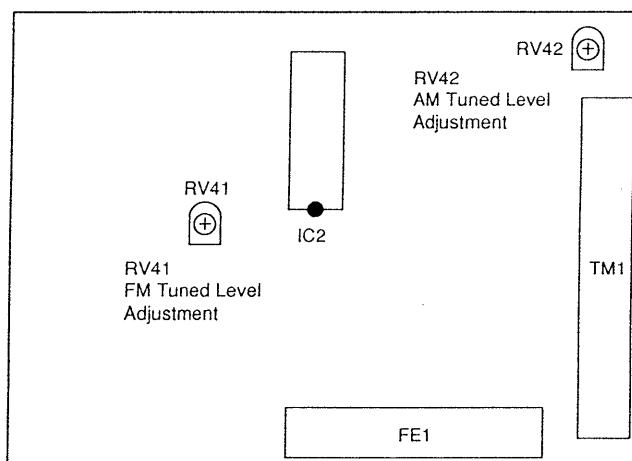
**Adjustment Location**

**AEP, UK, G, IT, EA, EE model**  
[TCB BOARD] (Component Side)



**Other model**

[TCB BOARD] (Component Side)



**SW Section Adjustment**  
**(N355K : EA model)**  
**SW OSC Voltage Adjustment**

**Setting :**  
 Band : SW

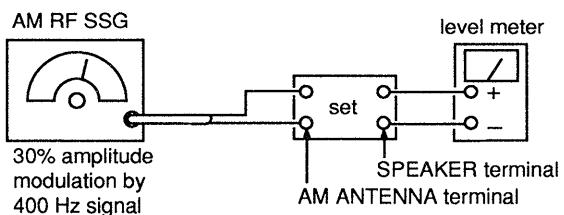
**Procedure :**

1. Connect digital Voltmeter to diode D1 center lead and ground.
2. Adjust for a following value reading on digital voltmeter.

	<b>Set frequency</b>	<b>Adjustment part</b>	<b>Reading on digital voltmeter</b>
SW	5.95 MHz	T2	1.2 ± 0.1 V
	17.9 MHz	CV2	8.5 ± 0.2 V

**SW Tracking Adjustment**

**Setting :**  
 Band : SW



**Procedure :**

	<b>Set frequency</b>	<b>Adjustment part</b>
SW	7 MHz	T1
	17 MHz	CV1

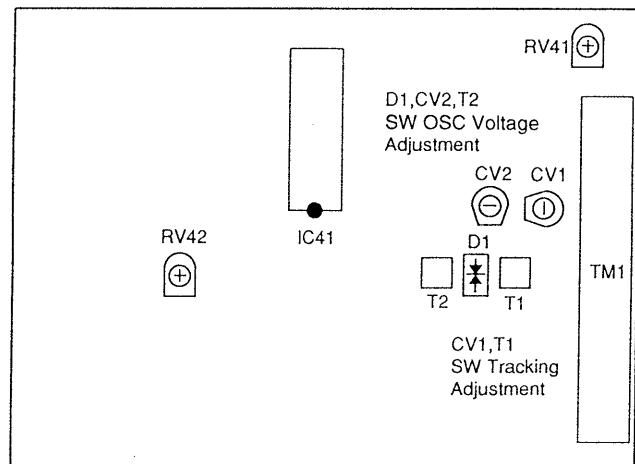
- Repeat the procedures is each adjustment several times, and the frequency coverage and tracking adjustment should be finally done by the trimmer capacitors.

**Adjustment Location : TCB board**

- Abbreviation
 

G	: German model.
IT	: Italian model.
EE	: East European model.
EA	: Saudi Arabia model.
MX	: Mexican model.
AR	: Argentine model.

**Adjustment Location : TCB board**

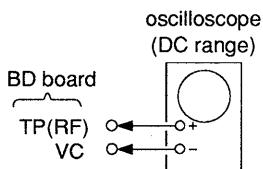


## CD SECTION

### Note :

1. CD Block is basically designed to operate without adjustment. Therefore, check each item in order given.
2. Use YEDS-18 disc (3-702-101-01) unless otherwise indicated.
3. Use an oscilloscope with more than  $10M\Omega$  impedance.
4. Clean the object lens by an applicator with neutral detergent when the signal level is low than specified value with the following checks.
5. Adjust the focus bias adjustment when optical block is replaced.

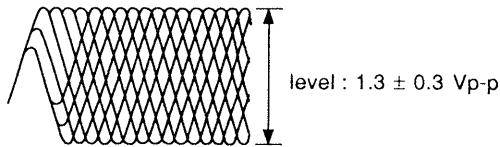
### Focus Bias Adjustment



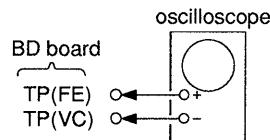
### Procedure:

1. Connect oscilloscope to test point TP (RF). (GND terminal : VC)
2. Turned Power switch on.
3. Put disc (YEDS-18) in and playback.
4. Adjust RV101 so that the waveform is clear.  
(Clear RF signal waveform means that the shape “◊” can be clearly distinguished at the center of the waveform.)
5. After adjustment, check the RF signal level.

- RF signal  
VOLT/DIV : 200 mV  
TIME/DIV : 500 nS



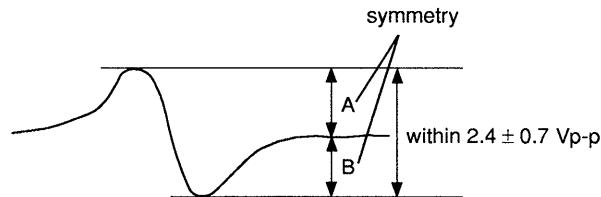
### S Curve Check



### Procedure :

1. Connect oscilloscope to test point TP (FEO).
2. Connect between test point TP (FOK) and GND by lead wire.
3. Turn Power switch on.
4. Put disc (YEDS-18) in and turned Power switch on again and actuate the focus search. (actuate the focus search when disc table is moving in and out.)
5. Check the oscilloscope waveform (S-curve) is symmetrical between A and B. And confirm peak to peak level within  $2.4 \pm 0.7$  Vp-p.

### S-curve waveform

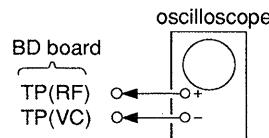


6. After check, remove the lead wire connected in step 2.

**Note :**

- Try to measure several times to make sure than the ratio of A : B or B : A is more than 10 : 7.
- Take sweep time as long as possible and light up the brightness to obtain best waveform.

### RF Level Check



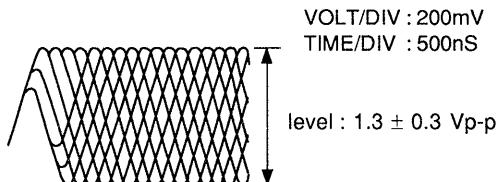
### Procedure :

1. Connect oscilloscope to test point TP (RF) on BD board.
2. Turned Power switch on.
3. Put disc (YEDS-18) in and playback.
4. Confirm that oscilloscope waveform is clear and check RF signal level is correct or not.

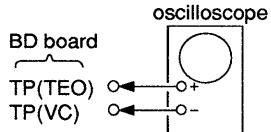
### Note :

Clear RF signal waveform means that the shape “◊” can be clearly distinguished at the center of the waveform.

### RF signal waveform



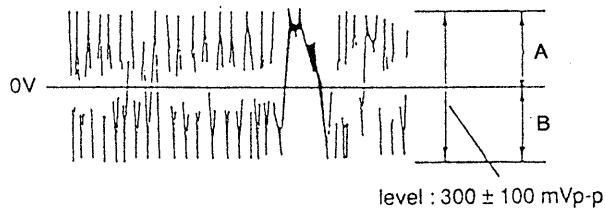
### E-F Balance Check



#### Procedure :

1. Connect test point TP 701 (ADJ) on Main board to GND with a lead wire.
2. Connect oscilloscope to test point TP (TEO).
3. Turned Power switch on.
4. Put disc (YEDS-18) in and playback.
5. Confirm that the oscilloscope waveform is symmetrical on the top and bottom in relation to 0Vdc, and check this level.

Traverse waveform



Specified level :  $\frac{A - B}{2(A + B)} \times 100 = \text{less than } \pm 7\%$   
 $\bullet A + B = 300 \pm 100 \text{ mVp-p}$

6. Remove the lead wire connected in step 1.

### Focus/Tracking Gain Adjustment (RV102, RV103)

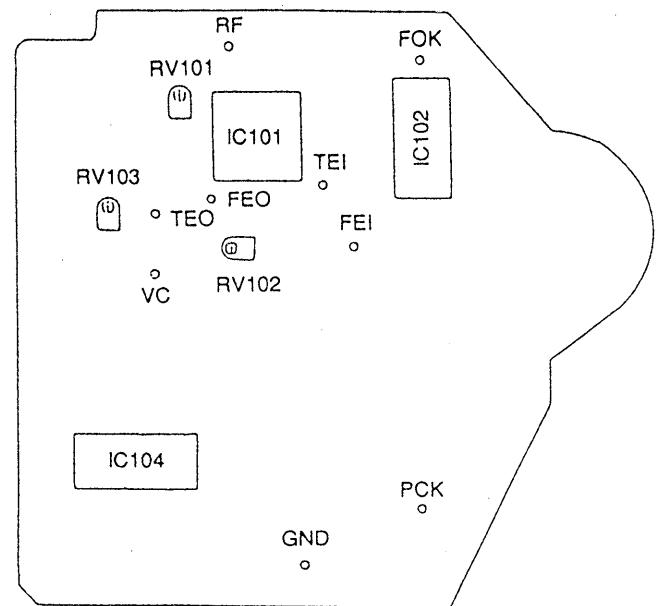
This gain has a margin, so even if it is slightly off.  
 There is no problem.

Therefore, do not perform this adjustment.

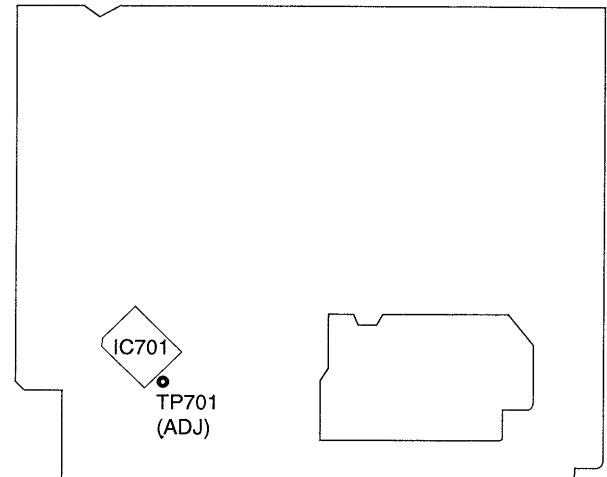
Please note that it should be fixed to mechanical center position when you moved and do not know original position.

### Adjustment Location :

#### [ BD BOARD ] (Conductor Side)



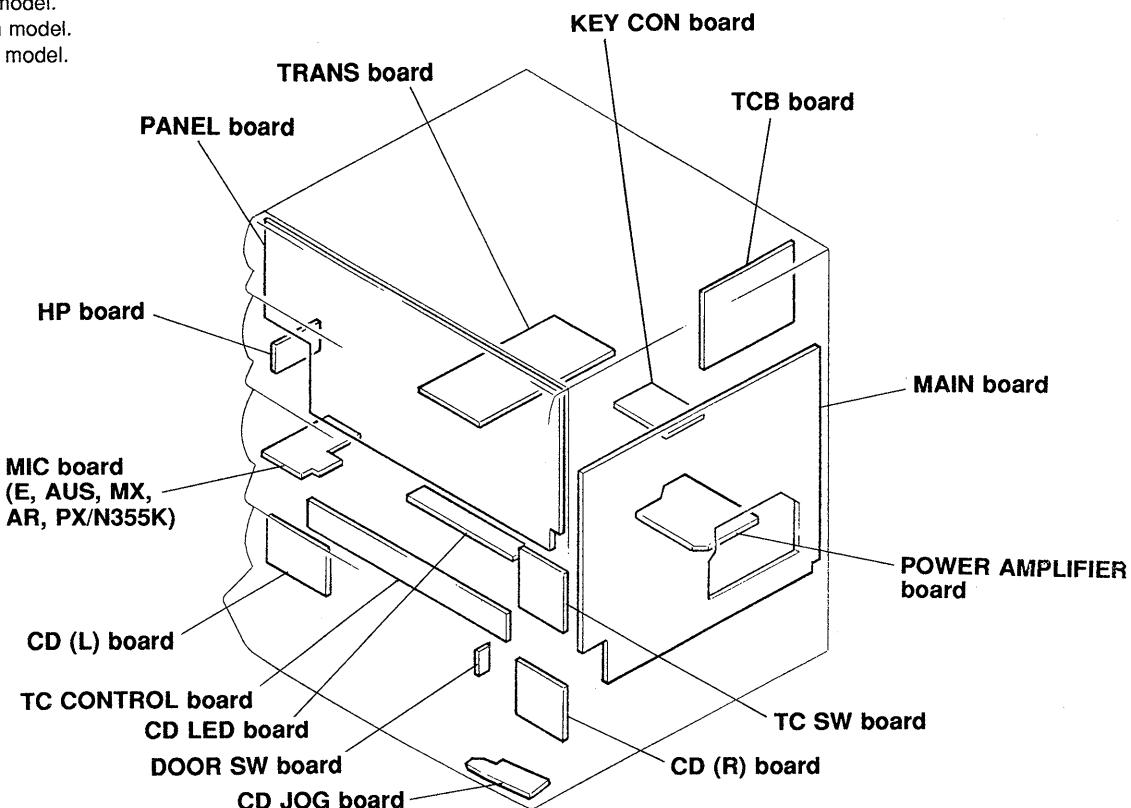
#### [ MAIN BOARD ] (Conductor Side)



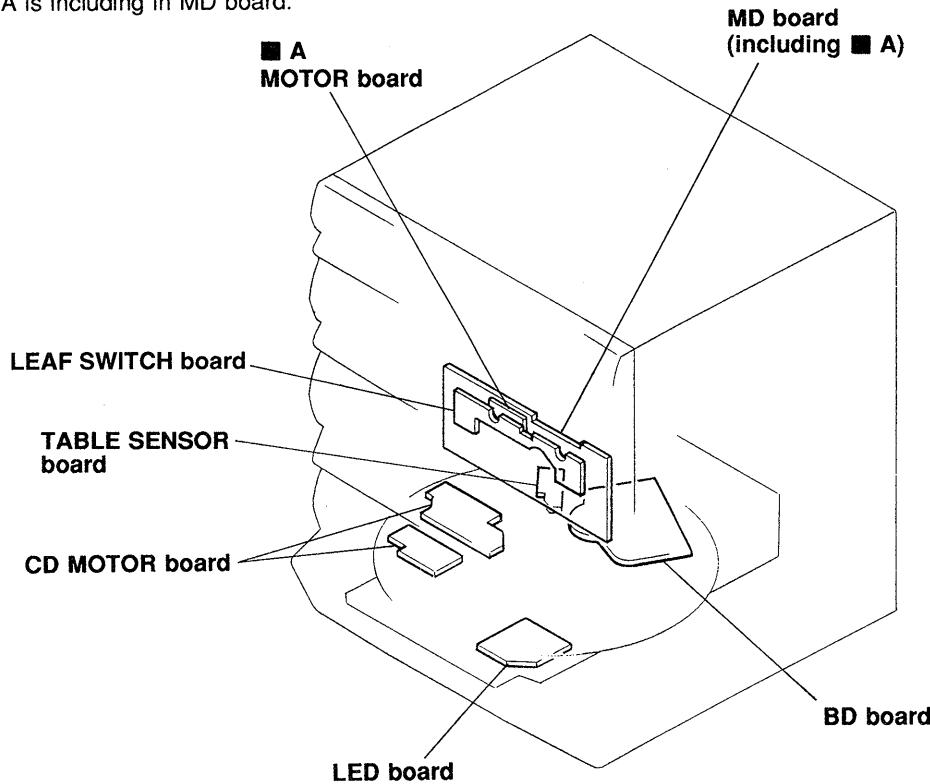
## SECTION 5 DIAGRAMS

### 5-1. CIRCUIT BOARDS LOCATION

- Abbreviation
  - MX : Mexican model.
  - AUS : Australian model.
  - AR : Argentine model.



Note : ■ A is including in MD board.



## 5-2. IC PIN FUNCTIONS

- IC501 GRAPHIC CONTROL (ASD0204-012-3BA)

Pin No.	Pin Name	I/O	Function
1	VDD	—	+5V
2	LED8	O	LED drive signal output.
3, 4	LED7, 6	O	Not used.
5-9	LED5-1	O	LED drive signal output.
10	RESET	I	Reset signal input.
11	X2	O	X'tal (4 MHz).
12	X1	I	
13	IC (V <sub>pp</sub> )	—	Ground
14	XT2	I	Not used.
15	JOG B	I	AMS encoder signal input.
16	VDD	—	+5V
17, 18	LED10, 9	O	LED drive signal output.
19	KEY SEL	O	Key select control.
20	VOL B	I	Volume encoder signal input.
21	REQ. GM	O	Request signal from/to master control.
22	CLK MG	I	Serial clock input.
23	DATA GM	O	Serial data output.
24	DATA MG	I	Serial data input.
25	AV <sub>ss</sub>	—	Ground
26-29	SPEANA 4-1	I	Spectram analizer signal input.
30-33	KEY 4-1	I	Key matrix input.
34	AV <sub>DD</sub>	—	+5V
35	AV <sub>REF</sub>	—	
36	VOL A	I	Volume encoder signal input.
37	JOG A	I	AMS encoder signal input.
38	RDY MG	I	Ready signal from master control.
39	SIRCS	I	SIRCS signal input.
40	V <sub>ss</sub>	—	Ground
41	DOR SW	I	CD door open detection input.
42	LED SELECT	O	LED select signal output.
43-45	LED13-11	O	LED drive signal output.
46	VDD	—	+5V
47, 48	LEDS7, 6	O	Not used.
49, 50	LEDS5, 4	O	Not used. (Pull down)
51-53	LEDS3-1	O	LED drive signal output.
54-78	SEG32-8	O	FL segment signal output.
79	V. LOAD	—	-25V for FL
80-86	SEG7-1	O	FL segment signal output.
87-100	GR14-1	O	FL grid signal output.

- Abbreviation

FL : FLUORESCENT INDICATOR TUBE

• IC701 MASTER CONTROL (TMP87CS64YF)

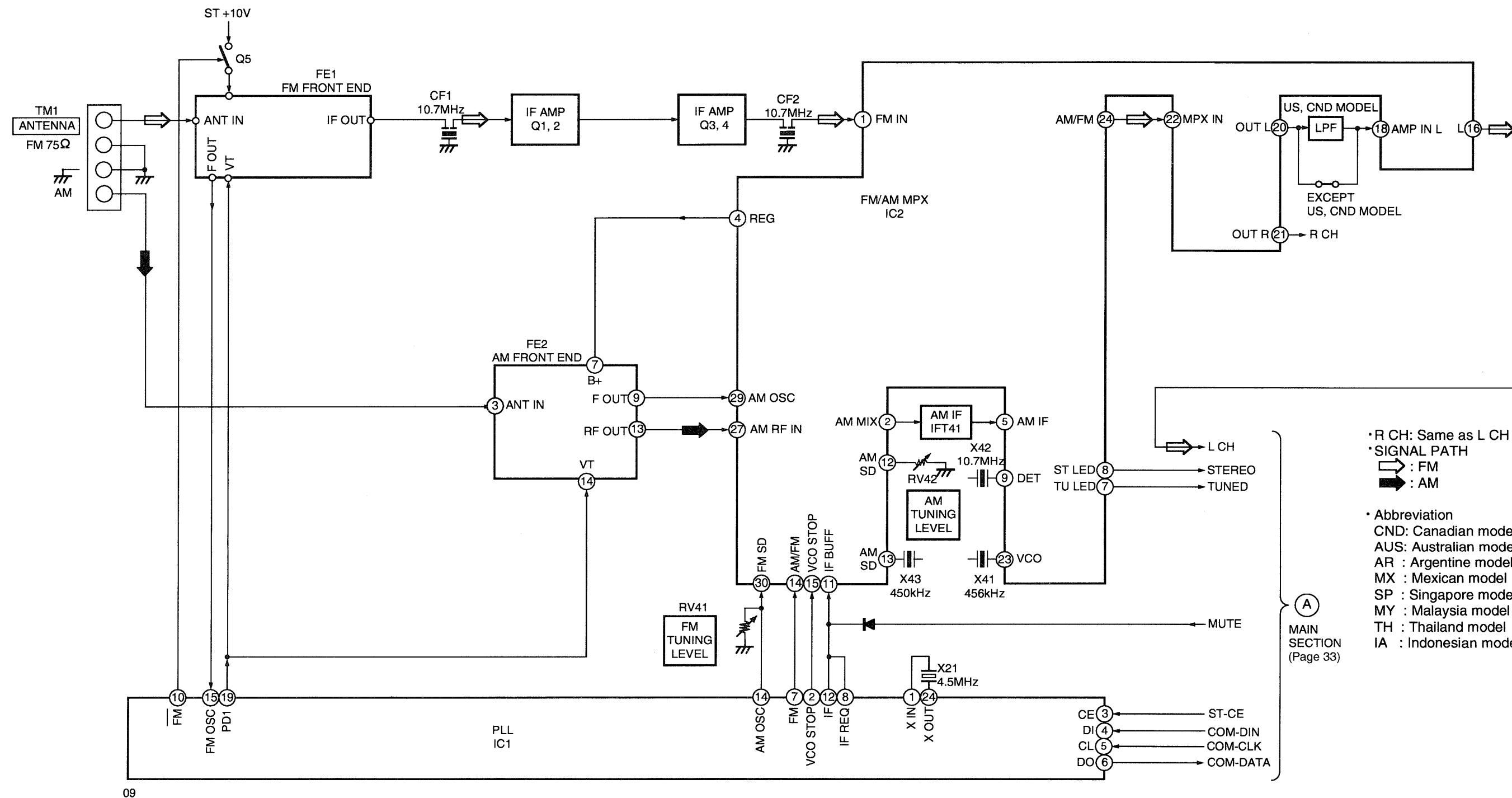
Pin No.	Pin Name	I/O	Function
1	Vss	—	Ground
2	XOUT	O	
3	XIN	I	}
4	RESET	I	X'tal (10 MHz).
5	XOUT	O	
6	XIN	I	}
7	GND (test)	—	X'tal for clock (32.768 kHz)
8	AC CUT	I	Ground
9	SUPER WOOFER ON	O	Backup signal input.
10	ST-MUTE ON	O	Not used. (Connected to ground)
11	180-A-PLAY	I	Mute signal output for tuner.
12	180-B-PLAY	I	
13	180-B-REC	I	Tape detection signal input. (Not used) (Connected to ground)
14	CLK CHK	I	
15	UP-SW	I	Not used.
16	IN-SW	I	Disc table up detect. (Not used) (Open)
17	ENCODER-0	I	
18	ENCODER-1	I	Not used.
19	ENCODER-2	I	Discratory address detect encoder input. (Not used)
20	OUT SW OPEN	I	
21	LOAD IN	O	Out switch signal input. (Not used)
22	LOAD OUT	O	Loading motor control signal output.
23	TBL-L	O	
24	TBL-R	O	Table motor control signal output.
25	SCOR	I	
26	TBL-SENS	I	Sub-code sync signal input.
27	RDS INT	I	CD Table sensor signal input.
28	RDS DATA	I	RDS data start input. (Connected to ground)
29	DF LAT	O	RDS data output. (Connected to ground)
30	DF LAT	O	Latch signal for digital filter.
31	SENS	I	
32	XRST	O	Table sence signal input.
33	RESET	O	Reset signal output for CD.
34	MG-RDY	I	Ready signal from graphic control.
35	ADJ	I	
36	GM-REQ	I	Test mode input.
37	MG-CLK	O	Request signal from graphic control.
38	GM-CLK	I	Clock signal to graphic control.
39	GM-DATA	I	Data input from graphic control.
40	MG-DATA	O	Data output to graphic control.
41	CD-CLK	O	Clock output. Serial bus line.
42	ADJ-2	I	Data output. Serial bus line.
43	CD-DATA	O	

Pin No.	Pin Name	I/O	Function
41	AUB IN	I	
42	AUB OUT	O	Audio bus in/output. (Open)
43	FOCUS SW	O	Focus switching signal output.
44	SQ-CLK	O	Subcode Q data read clock output.
45	SQ-DATA	I	Subcode Q data input.
46	X-LAT	O	Latch signal digital signal processor.
47	TEST	I	Test land.
48	VAREF	I	Analog reference voltage input.
49	VAss	—	
50	Vss	—	Ground
51	VDD	—	+5V
52	SPEC	I	
53	DESTINATION	I	Destination detection setting input.
54	DISC SENS	I	Not used. (Connected to ground)
55	TC RELAY	O	REC/PB select signal output.
56	A-SHUT	I	
57	B-SHUT	I	
58	B-HALF	I	
59	A-HALF	I	
60	220-A-PLAY	I	
61	220-B-PLAY	I	
62	62427 LAT	O	PLL latch output.
63	K-CON-LAT	O	Latch signal for KEY CON. (N355K)
64	VOL LAT (AV)	O	Latch signal for electrical volume. (Not used) (Open)
65	REAR SP RELAY B	O	
66	FRONT SP RELAY C	O	Not used. (Open)
67	POWER ON	O	Power on signal output.
68	CD POWER	O	CD power control signal output.
69	PROLOG LAT	O	Not used. (Open)
70	MUTE	O	Mute signal for AMP.
71	COM CLK	O	PLL clock output.
72	COM DIN	I	PLL data input.
73	COM DATA	O	PLL data output.
74	K CON ON	O	Control signal output for KEY CON. (N355K)
75	LIDDED LED	O	Disc No. LED drive signal output. (Not used) (Open)
76	PROLOG ON	O	PRO LOGIC control output.
77	DBFB-HIGH	O	DBFB switching signal output.
78	URG STB STDBY	I	
79	URG STB ON	O	Not used.
80	TC A	O	Deck A, B select output.

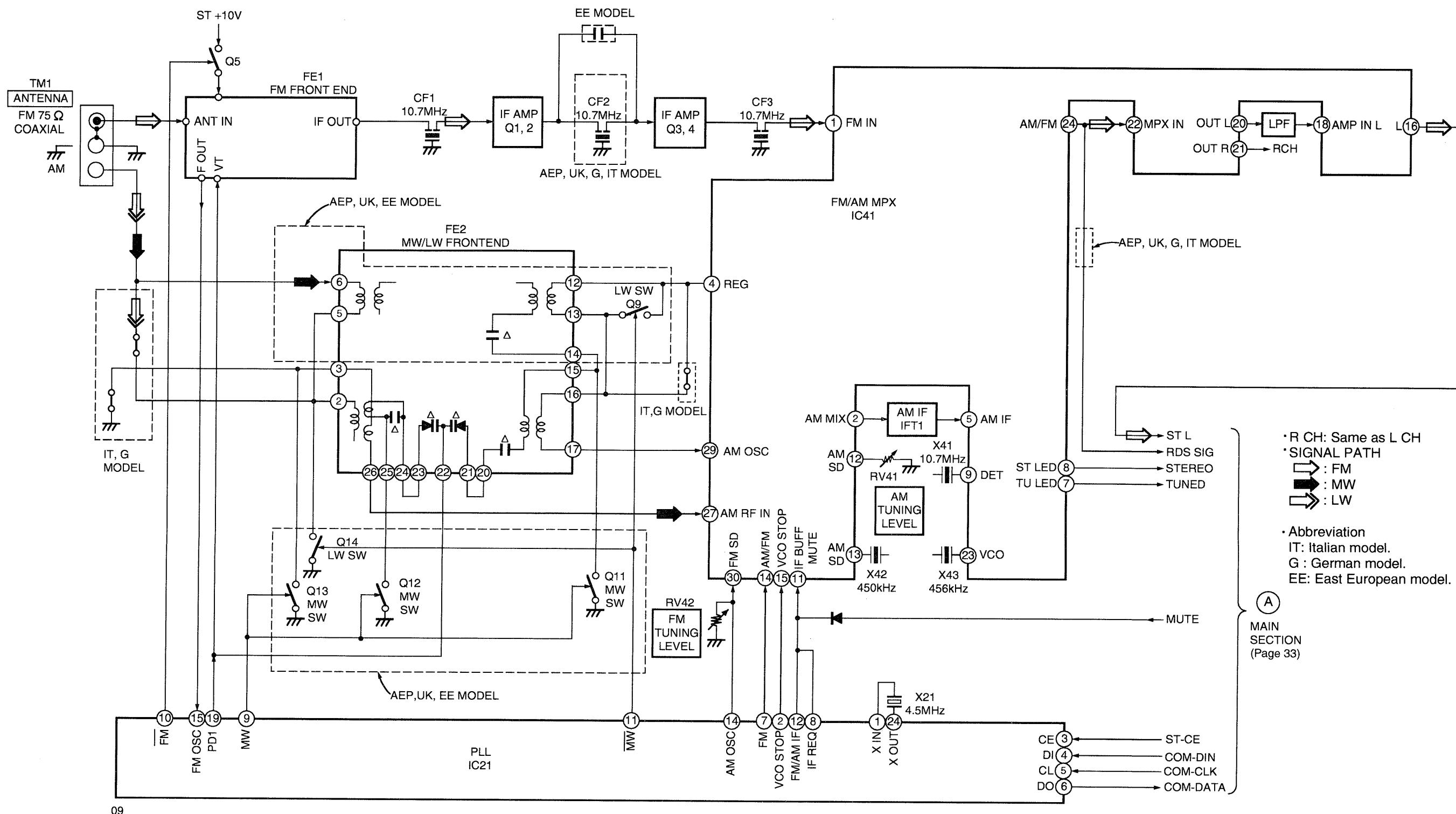
Pin No.	Pin Name	I/O	Function
81	<u>NORM</u>	O	NORMAL/HIGH control signal output.
82	<u>BIAS OFF</u>	O	Bias oscillation output.
83	<u>REC MUTE</u>	O	Mute output.
84	<u>NR OFF</u>	O	Dolby ON/OFF signal output.
85	<u>PB</u>	O	REC/PB control signal output.
86	<u>PASS. AMP/DOLBY</u>	O	Dolby switching signal output.
87	<u>LINE MUTE ON</u>	O	Mute signal output for deck.
88	<u>CAP. M-HIGH</u>	O	Capstan motor control signal output.
89	A-TRG	O	Trigger motor control signal output.
90	B-TRG	O	
91	<u>TRG LOW</u>	O	Trigger motor high/low control signal output.
92	<u>CAP M ON</u>	O	Capstan motor ON/OFF control signal output.
93	<u>STEREO</u>	I	Stereo detection signal from tuner.
94	<u>TUNED</u>	I	Tuned detection signal from tuner.
95	ST-CE	O	Latch signal output for tuner.
96	<u>DELAY SEL MIC</u>	O	Not used. (Connected to ground)
97	<u>DELAY ON</u>	O	
98	<u>DELAY LEVEL A</u>	O	
99	<u>DELAY LEVEL B</u>	O	
100	VDD	—	+5V

### 5-3. BLOCK DIAGRAMS

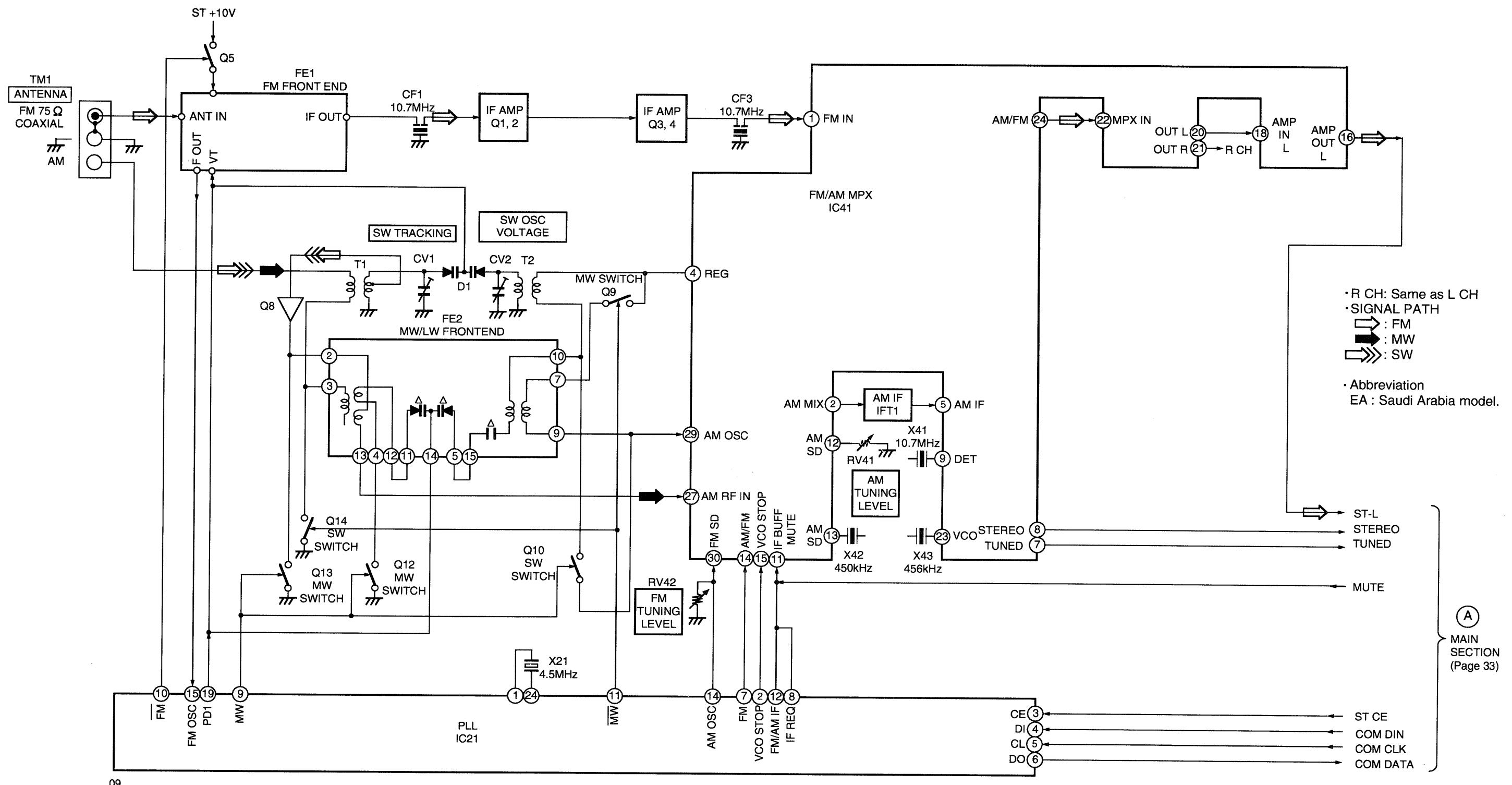
— TUNER SECTION — (D570 : US, CND/N355 : E, MX, PX, AUS, AR/N355K : E, SP, MY, TH, IA MODELS)



## — TUNER SECTION — (N355 : AEP, UK, G, IT, EE MODELS)

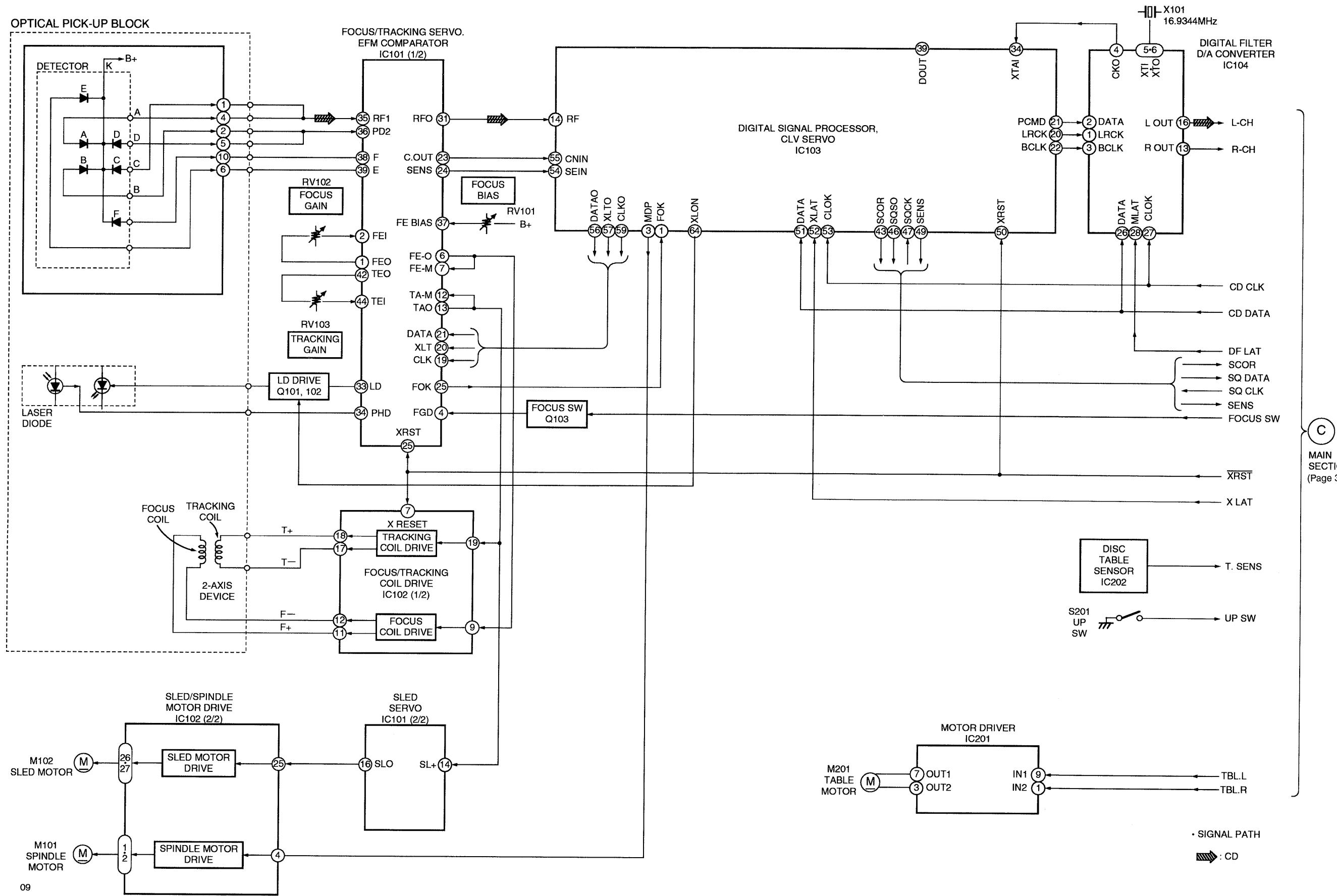


## — TUNER SECTION — (N355K : EA MODEL)

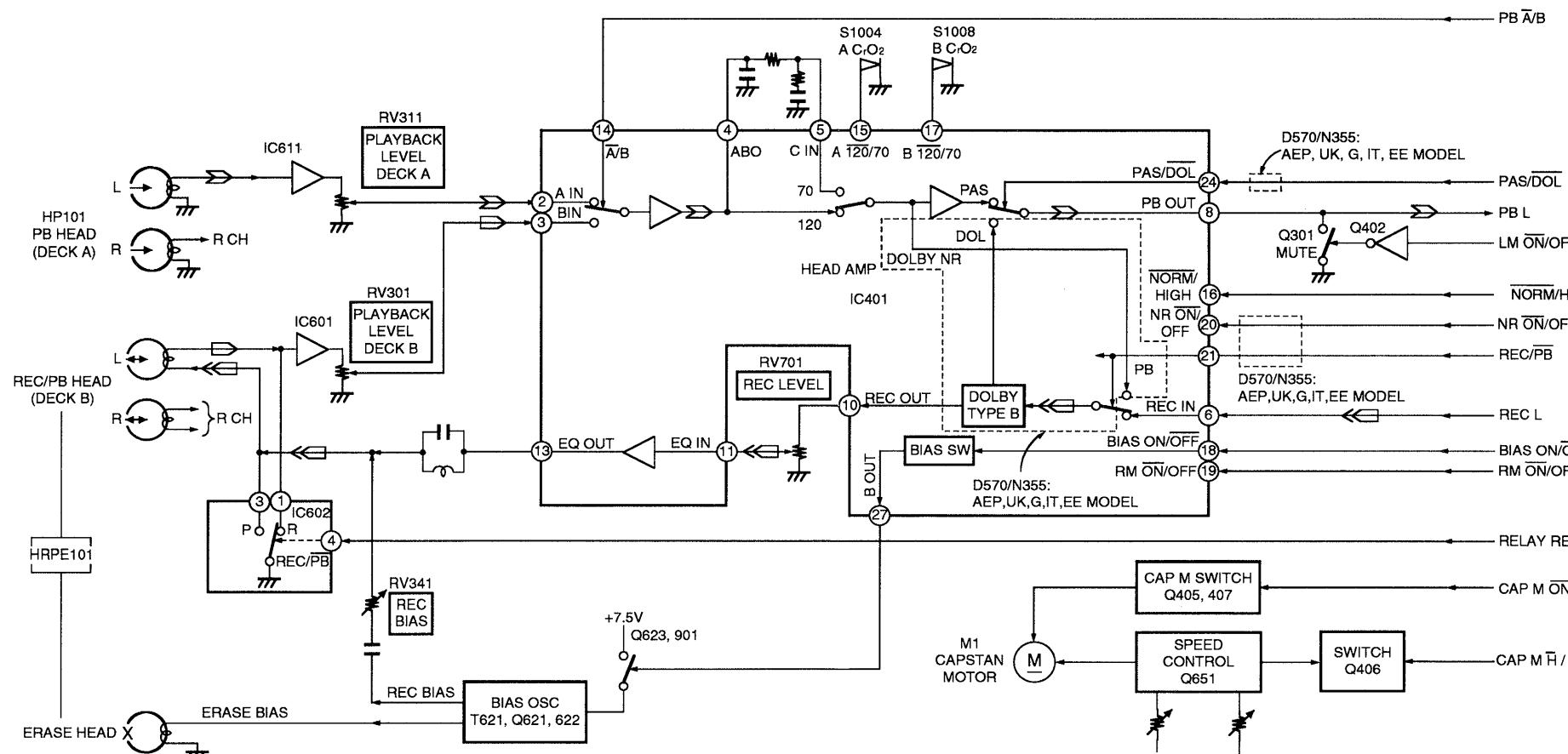


09

## — CD SECTION —



## — TC SECTION —

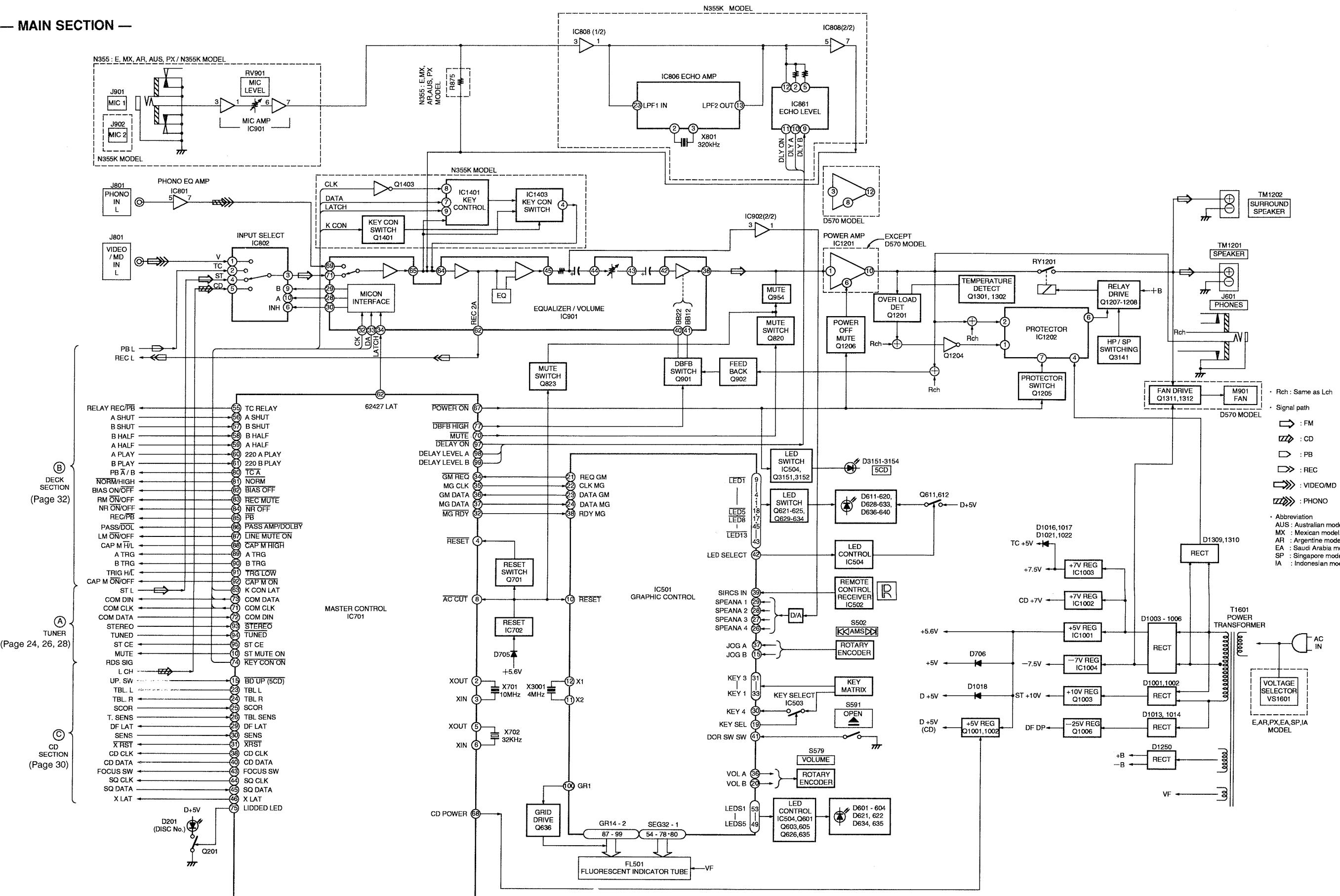


(B)  
MAIN SECTION  
(Page 33)

- R CH : Same as L CH
- SIGNAL PATH
  - PB (DECK A)
  - PB (DECK B)
  - REC (DECK B)
- Abbreviation
  - G : German model.
  - IT : Italian model.
  - EE: East European model.

09

## — MAIN SECTION —

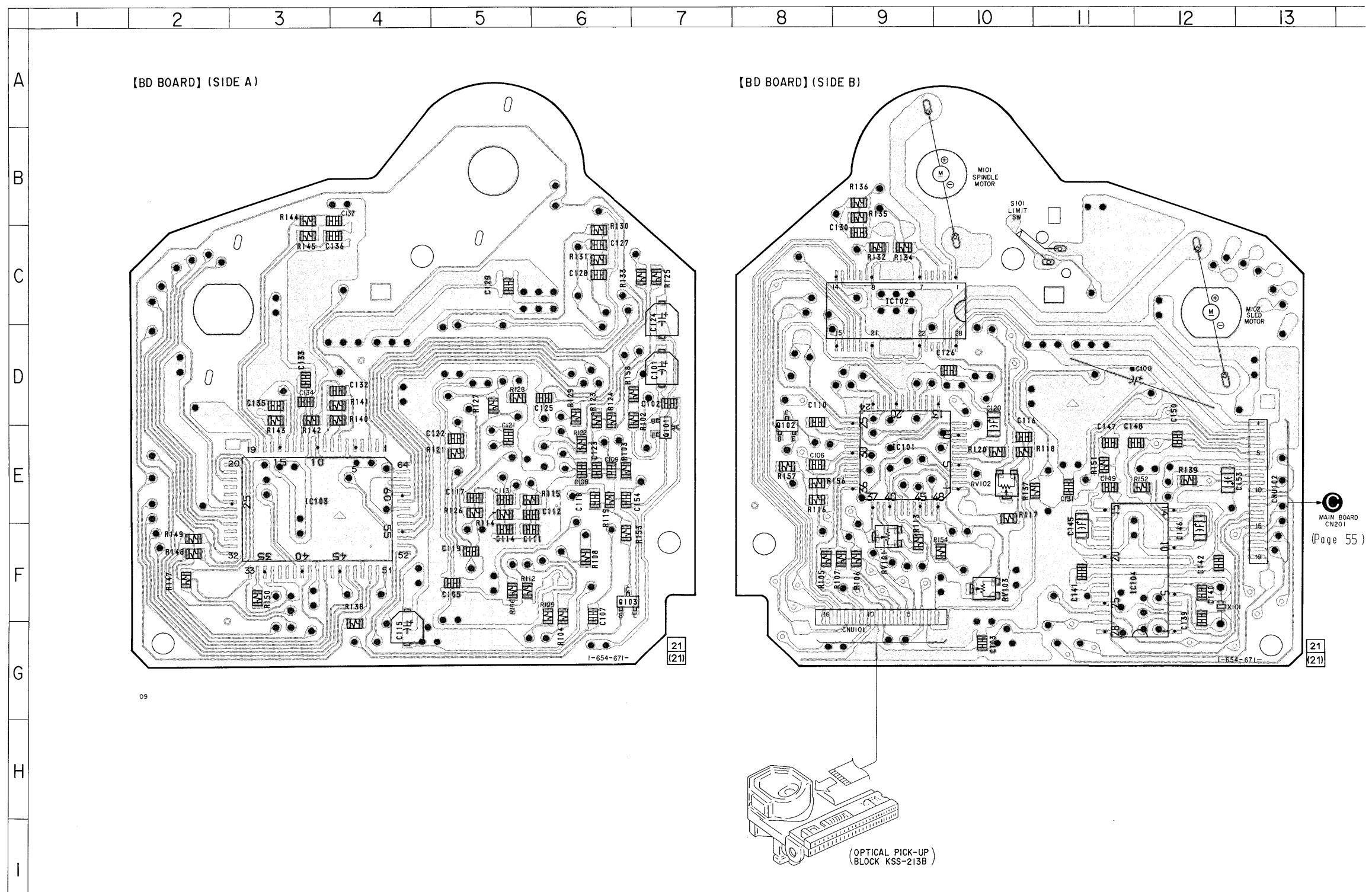


## 5-4. PRINTED WIRING BOARD — CD SECTION

- See page 18 for Circuit Boards Location.

- Semiconductor Location

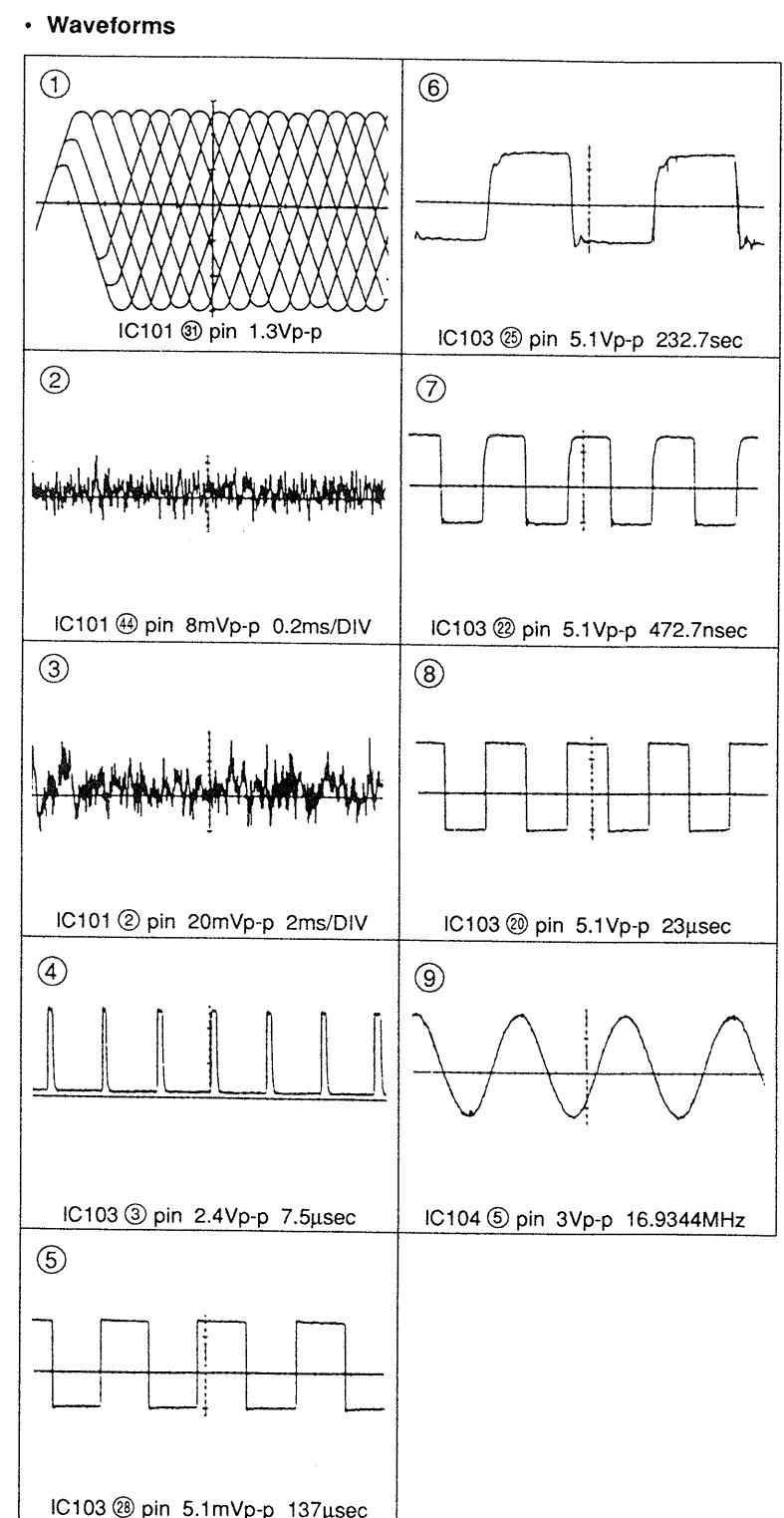
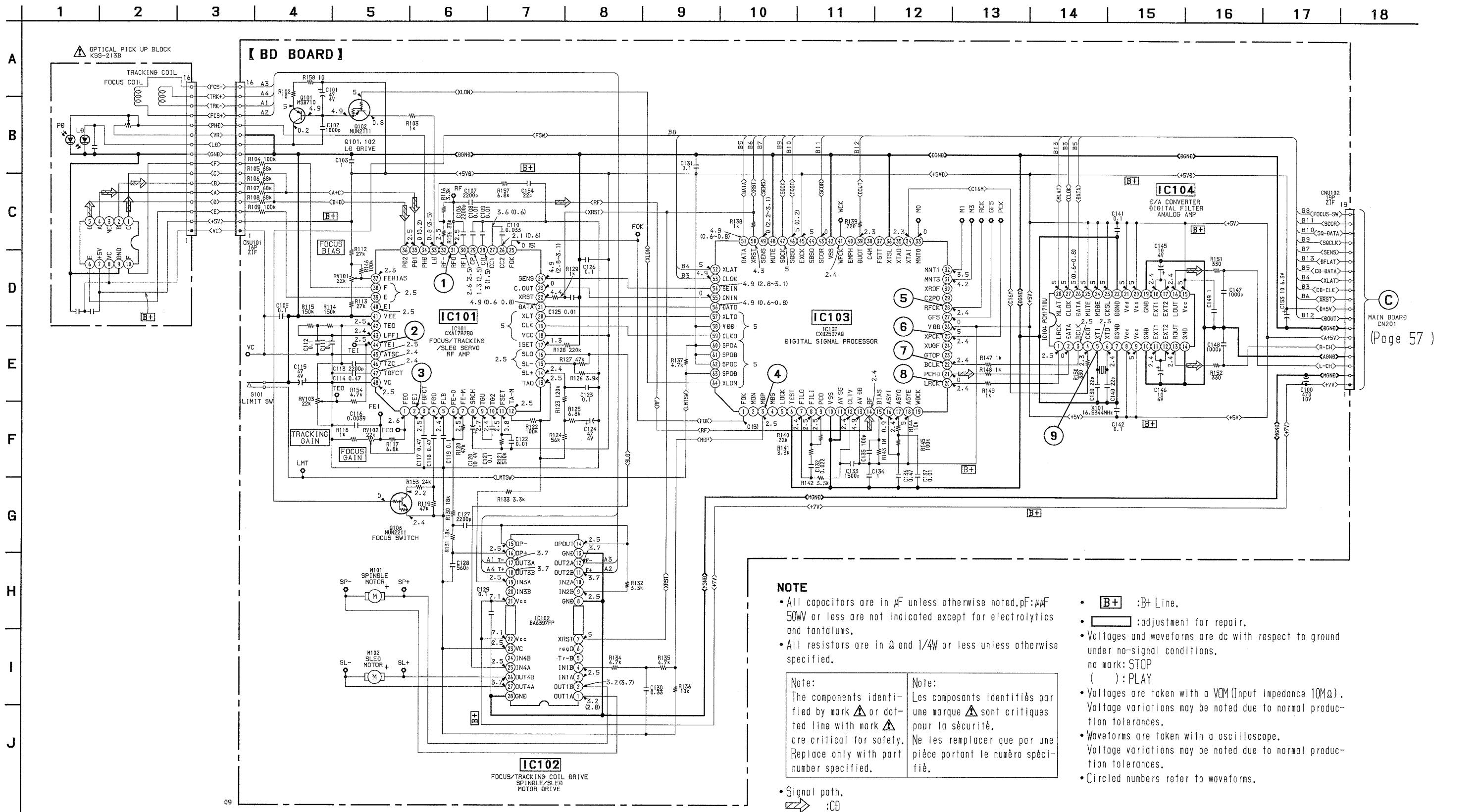
Ref. No.	Location
IC101	E-9
IC102	C-9
IC103	E-3
IC104	F-11
Q101	D-7
Q102	D-8
Q103	F-6



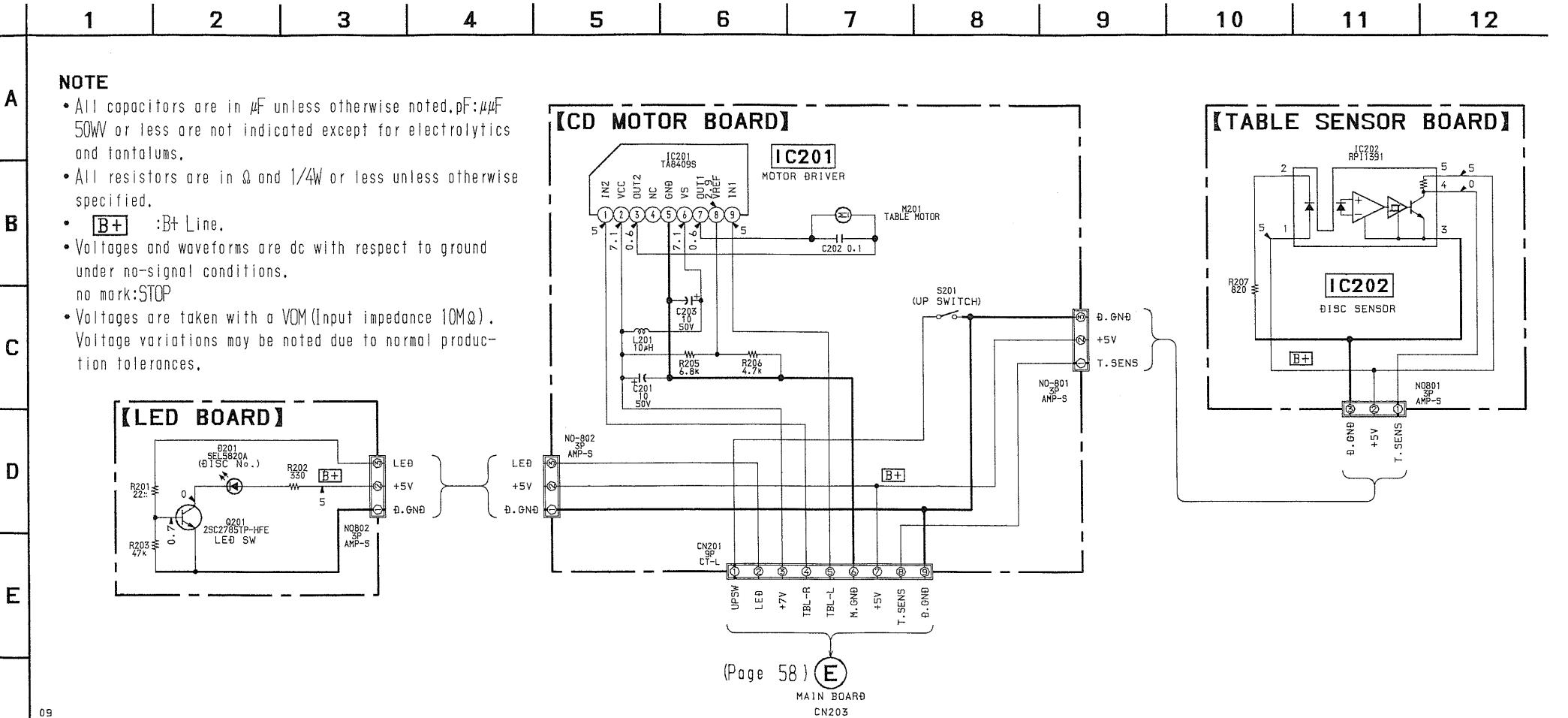
**Note:**

- : parts extracted from the component side.
- : parts mounted on the conductor side.
- : Through hole.
- : Pattern from the side which enable seeing.  
(The other layer's patterns are not indicated.)

5-5. SCHEMATIC DIAGRAM — CD SECTION —  
• See page 79 for IC Block Diagrams. (IC101 — 104)



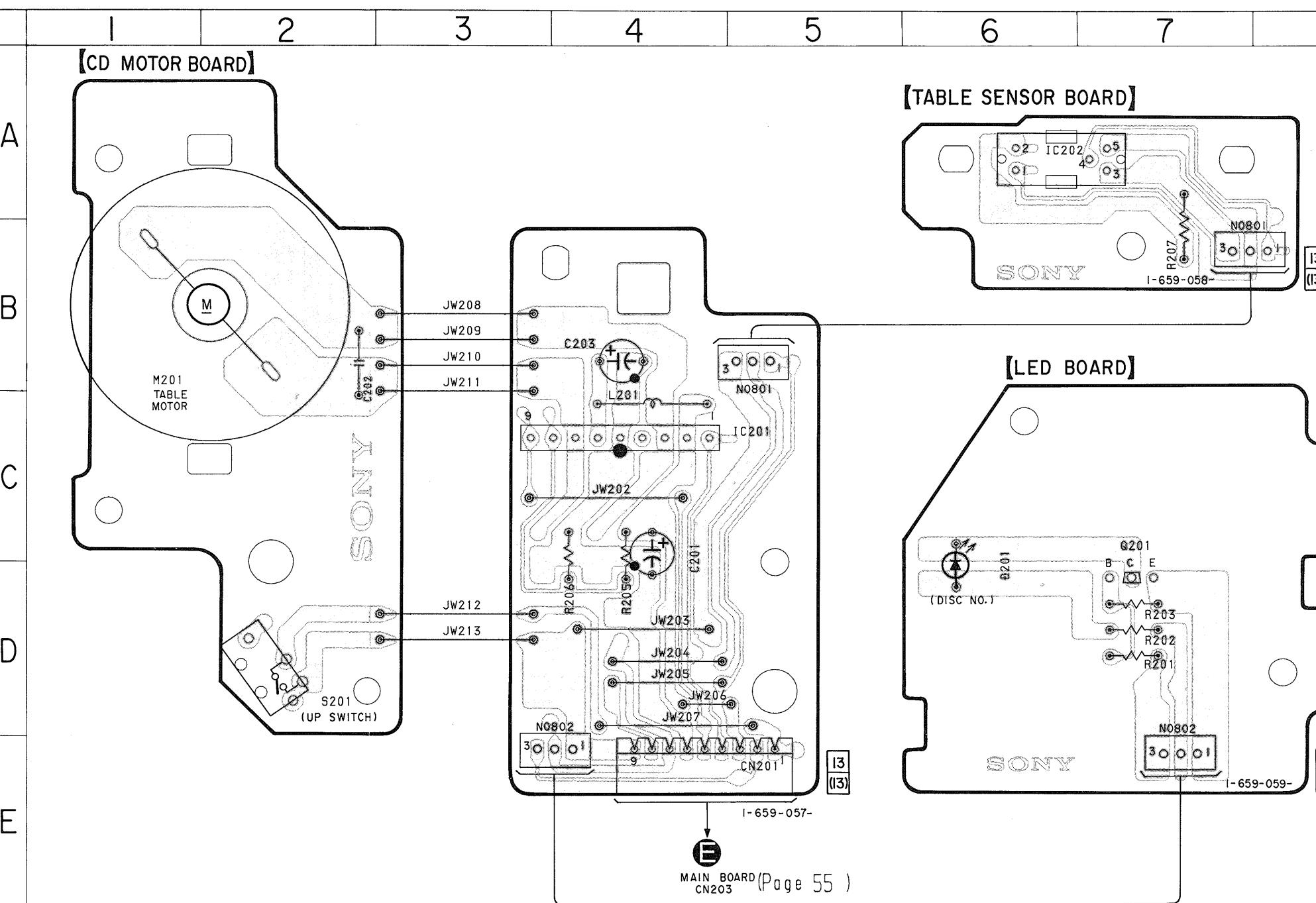
## 5-6. SCHEMATIC DIAGRAM — CD MOTOR SECTION —



09

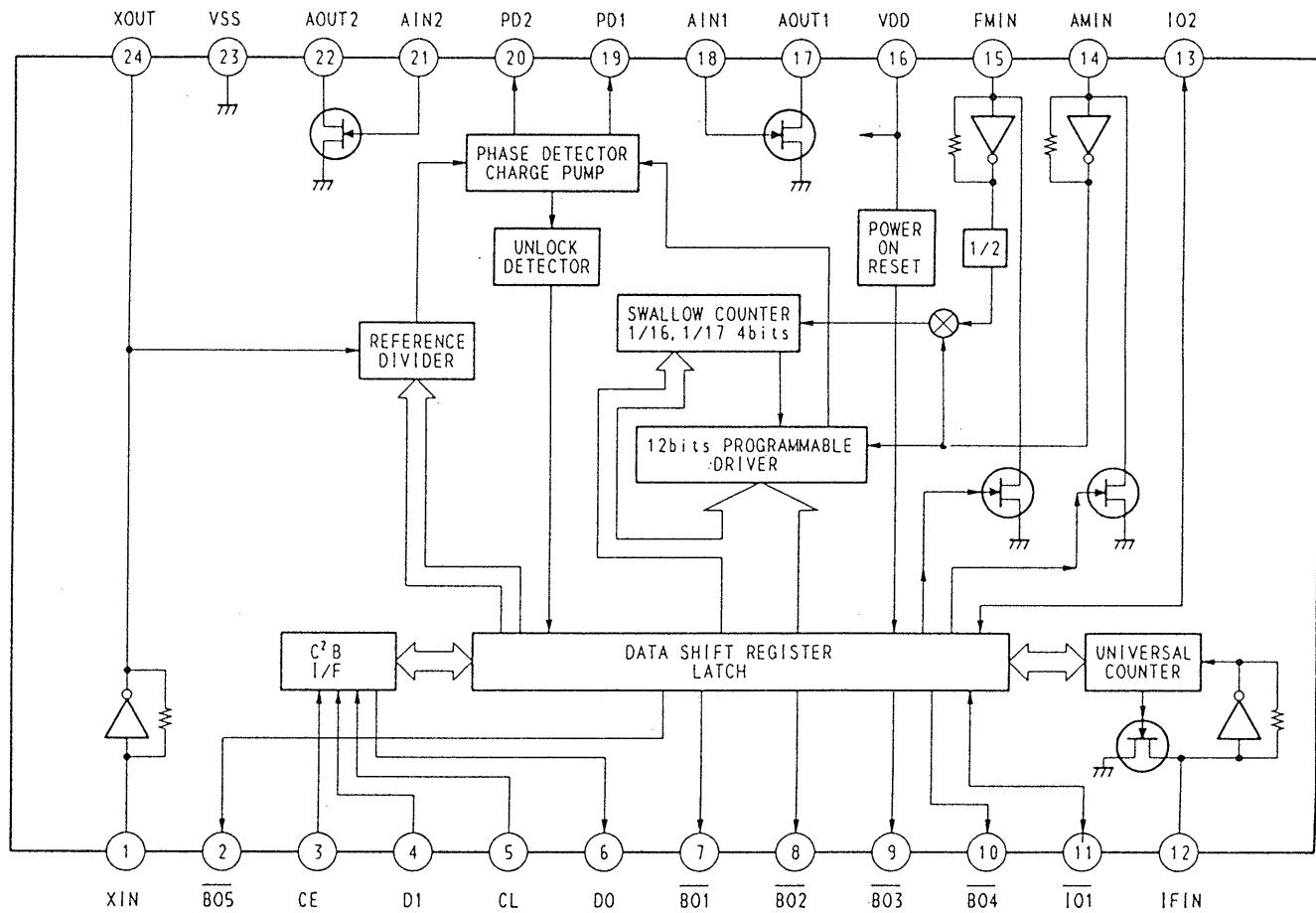
## 5-7. PRINTED WIRING BOARD — CD MOTOR SECTION —

• See page 18 for Circuit Boards Location.

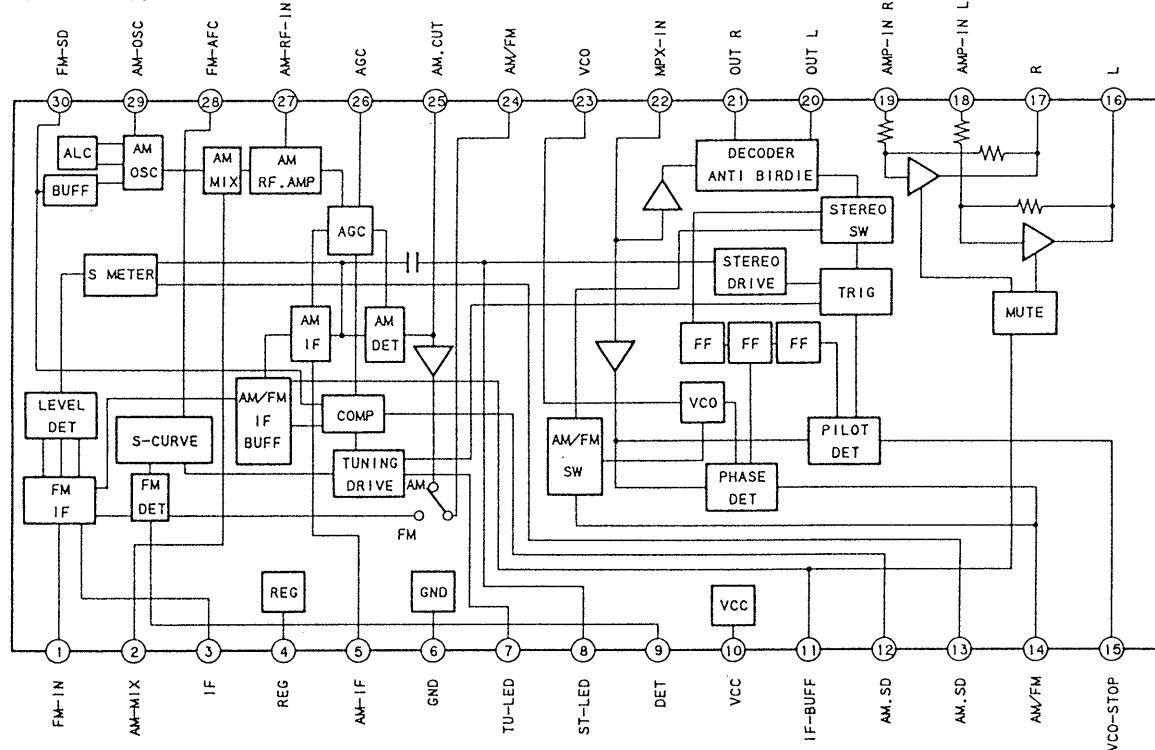


• IC Block Diagrams

IC1 LC72130

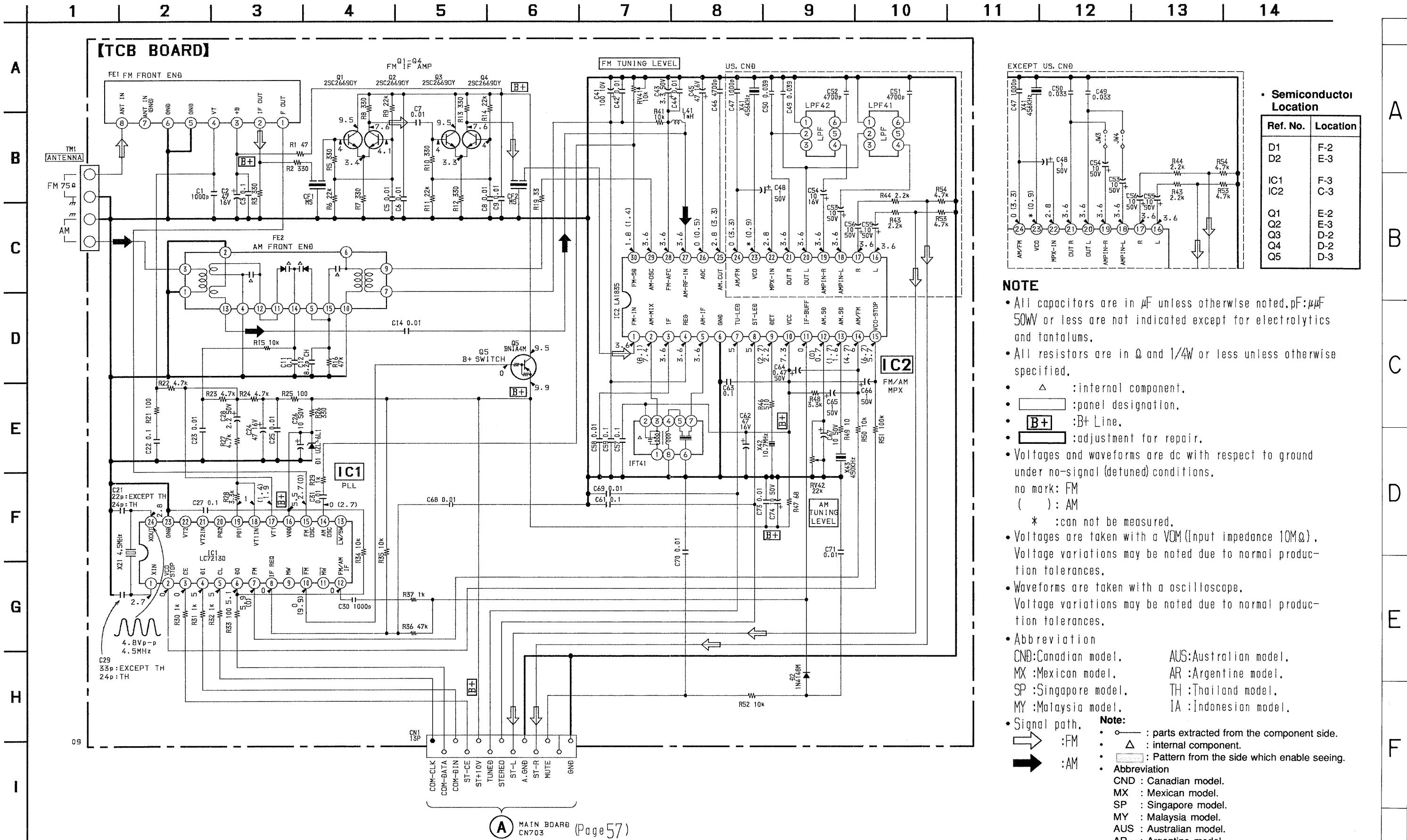


IC2 LA1835



## 5-8. SCHEMATIC DIAGRAM — TUNER SECTION —

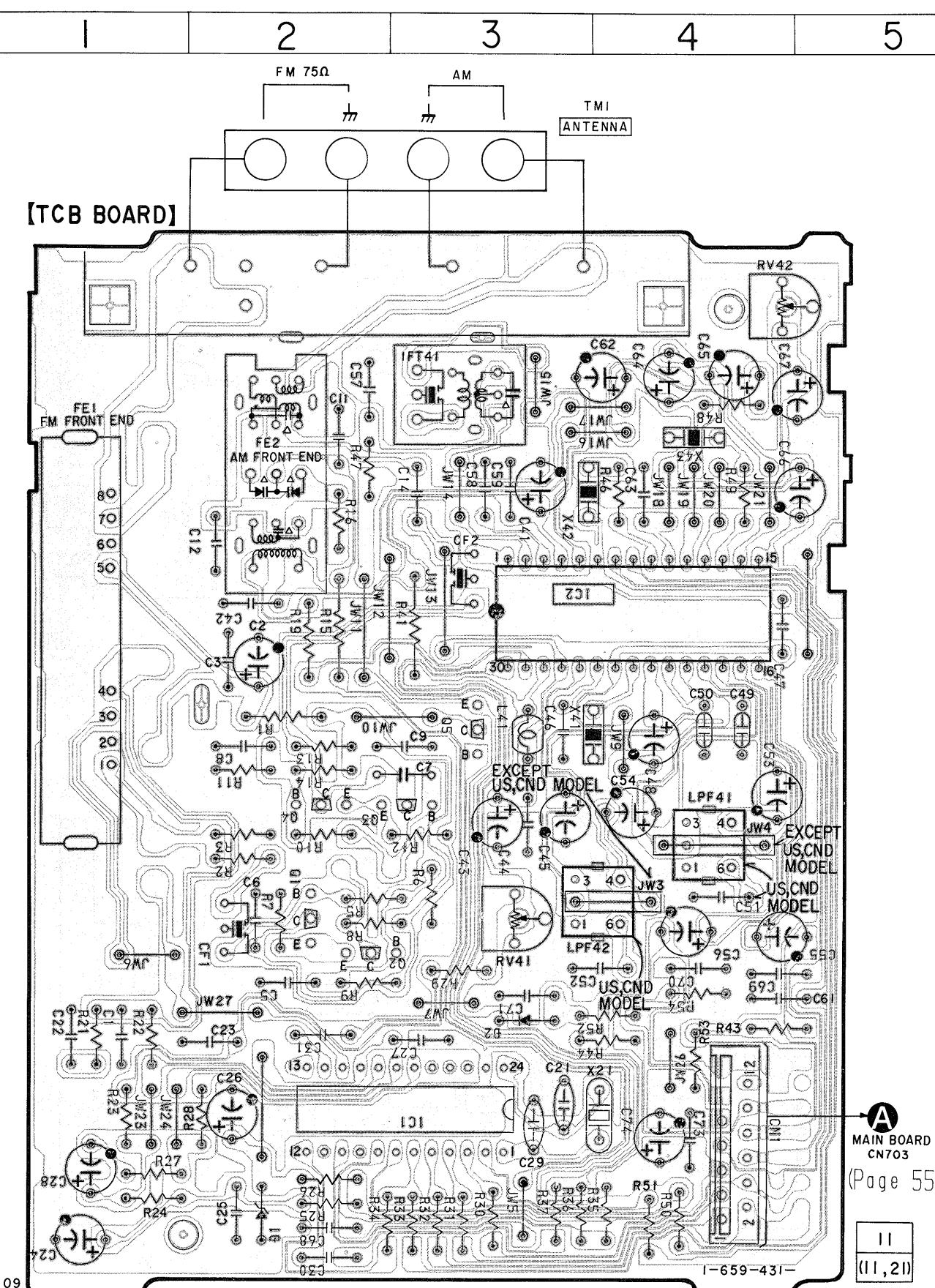
(D570 : US, CND/N355 : E, MX, PX, AUS, AR/N355K : E, SP, MY, TH, IA MODELS)



## 5-9. PRINTED WIRING BOARD — TUNER SECTION —

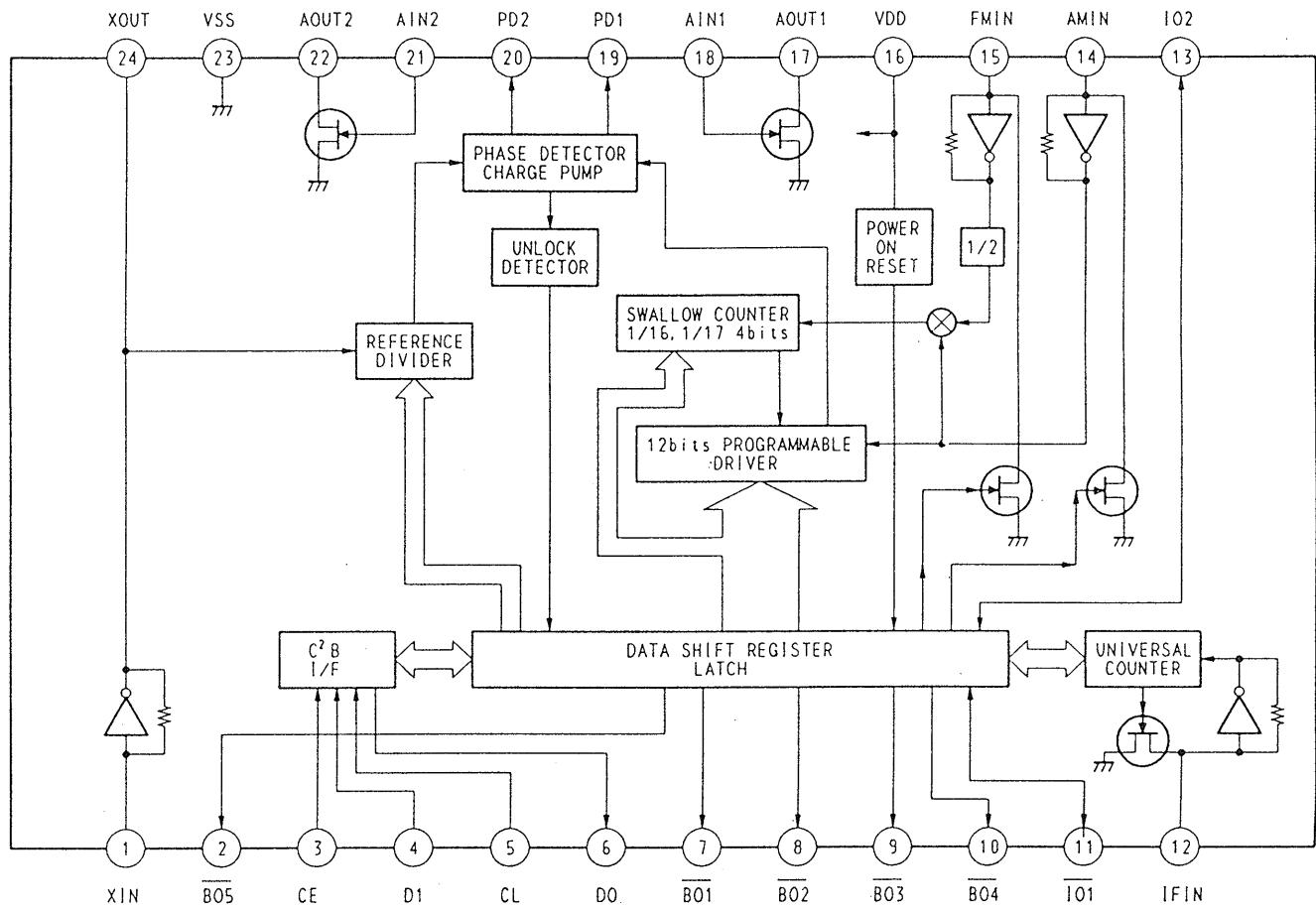
(D570 : US, CND/N355 : E, MX, PX, AUS, AR/N355K : E, SP, MY, TH, IA MODELS)

• See page 18 for Circuit Boards Location.

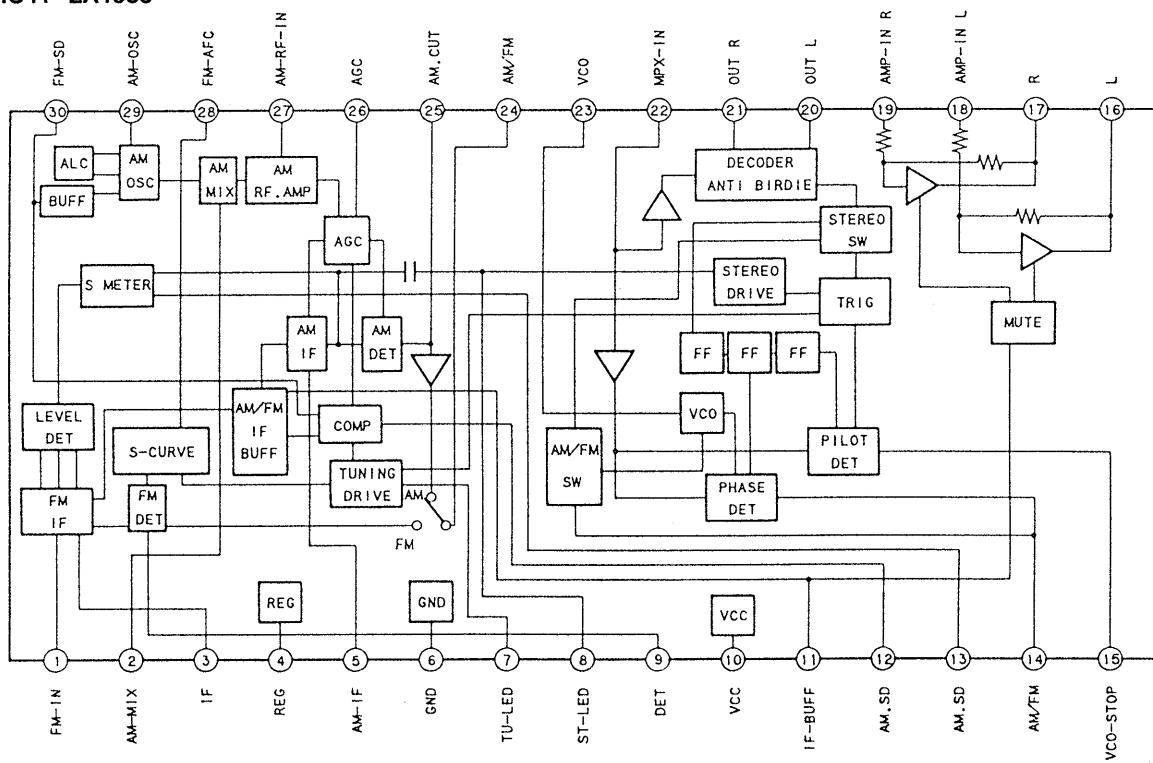


## • IC Block Diagrams

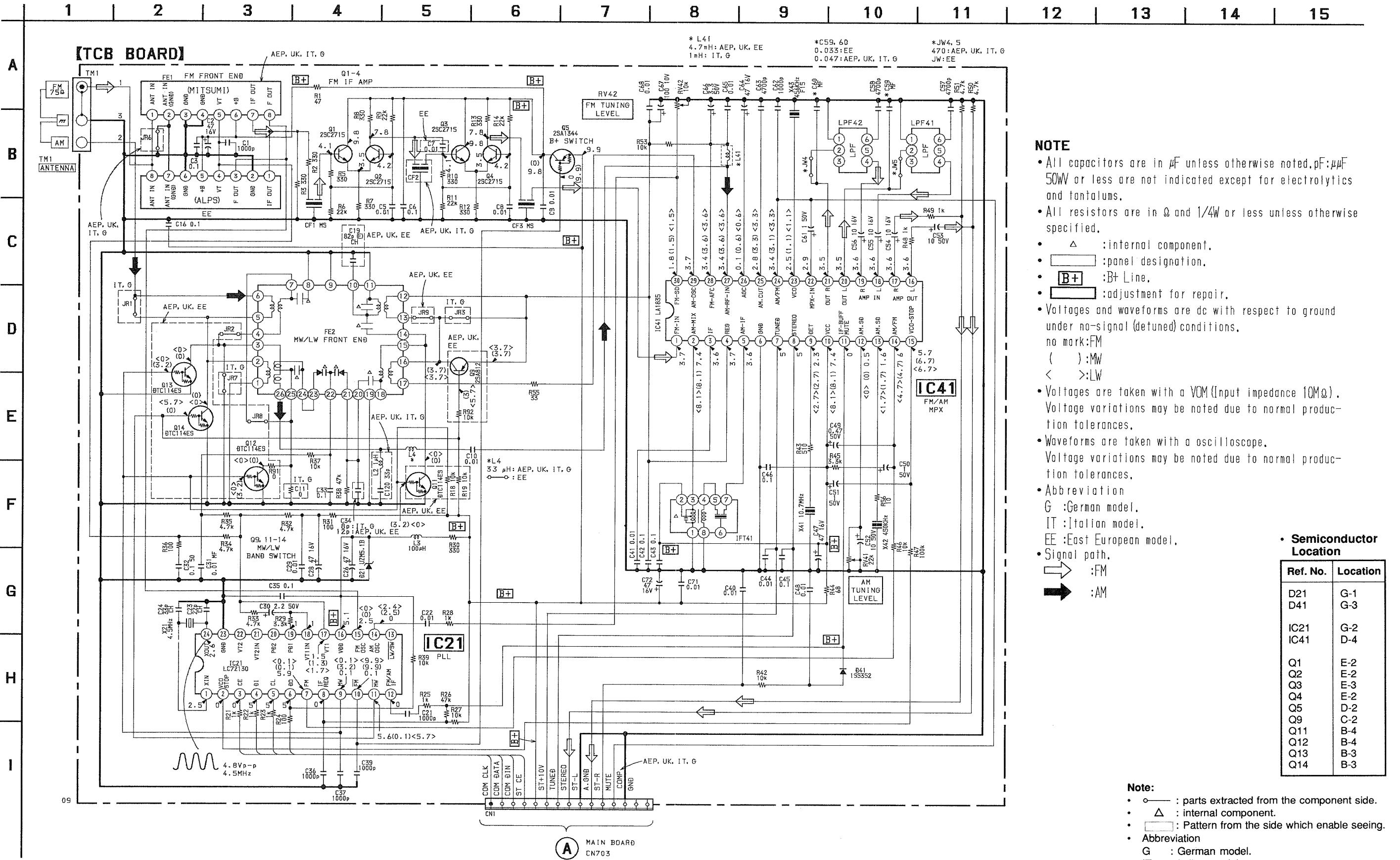
### IC21 LC72130



### IC41 LA1835

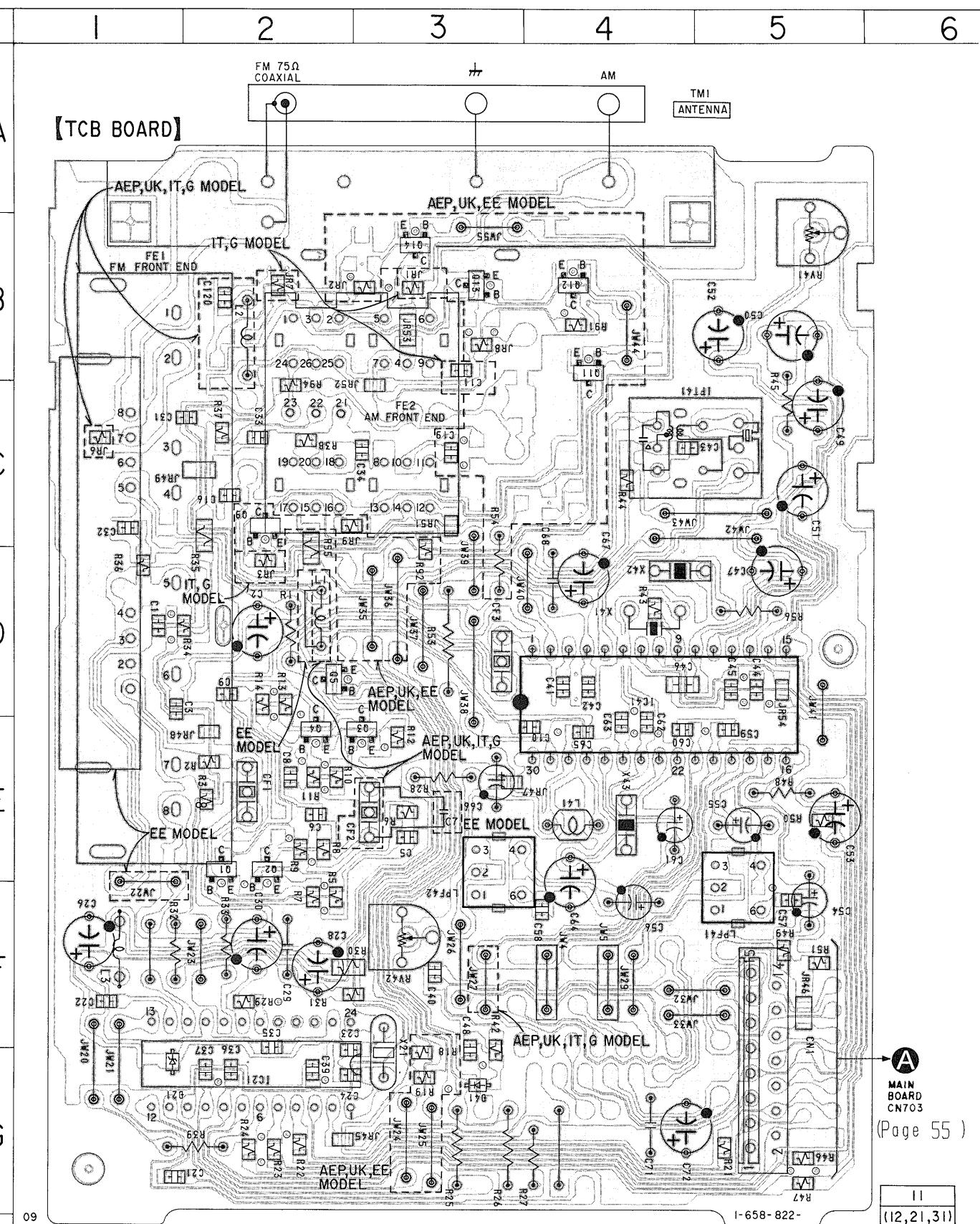


5-10. SCHEMATIC DIAGRAM — TUNER SECTION — (N355 : AEP, UK, G, IT, EE MODELS)

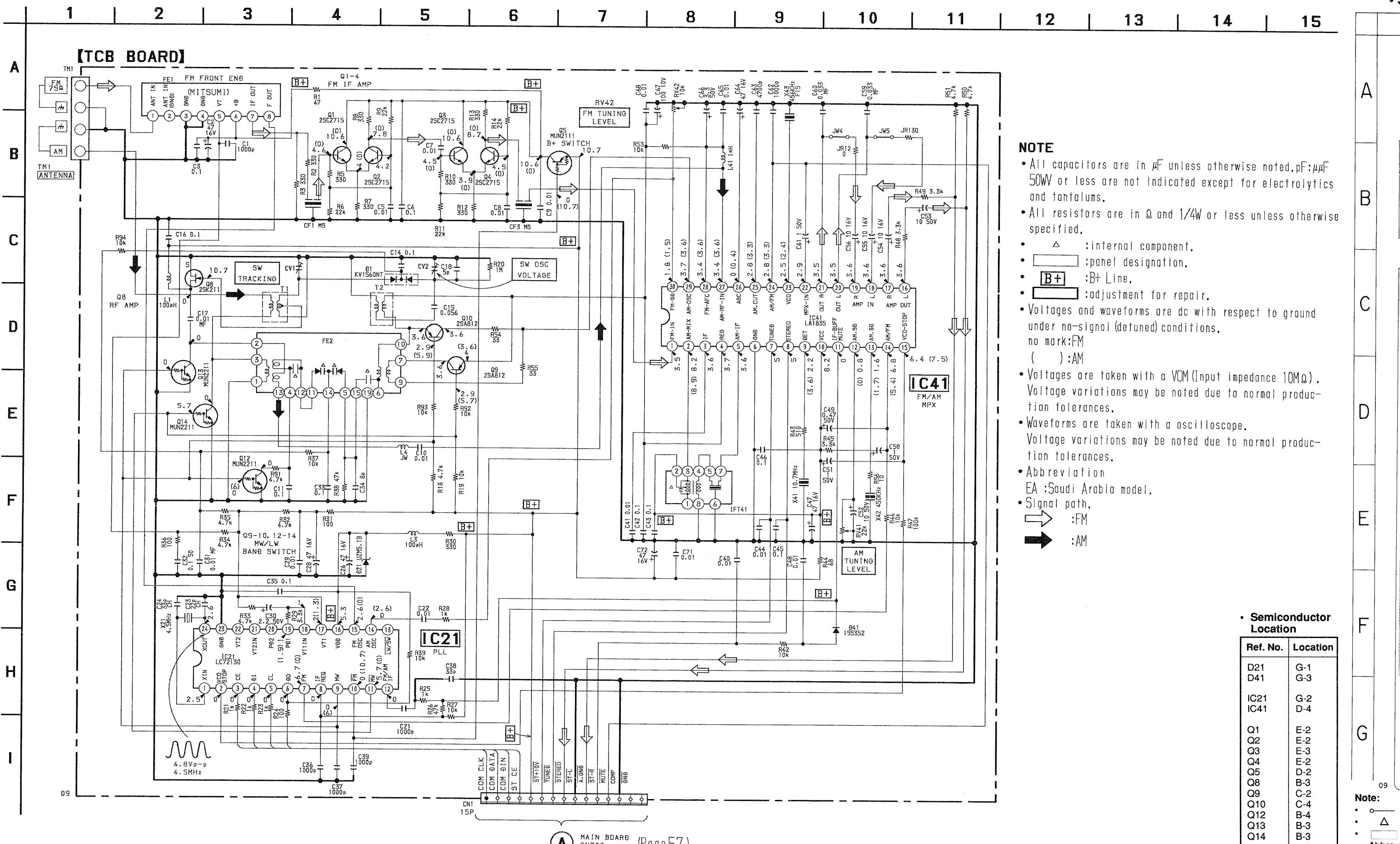


5-11. PRINTED WIRING BOARD — TUNER SECTION — (N355 : AEP, UK, G, IT, EE MODELS)

• See page 18 for Circuit Boards Location.

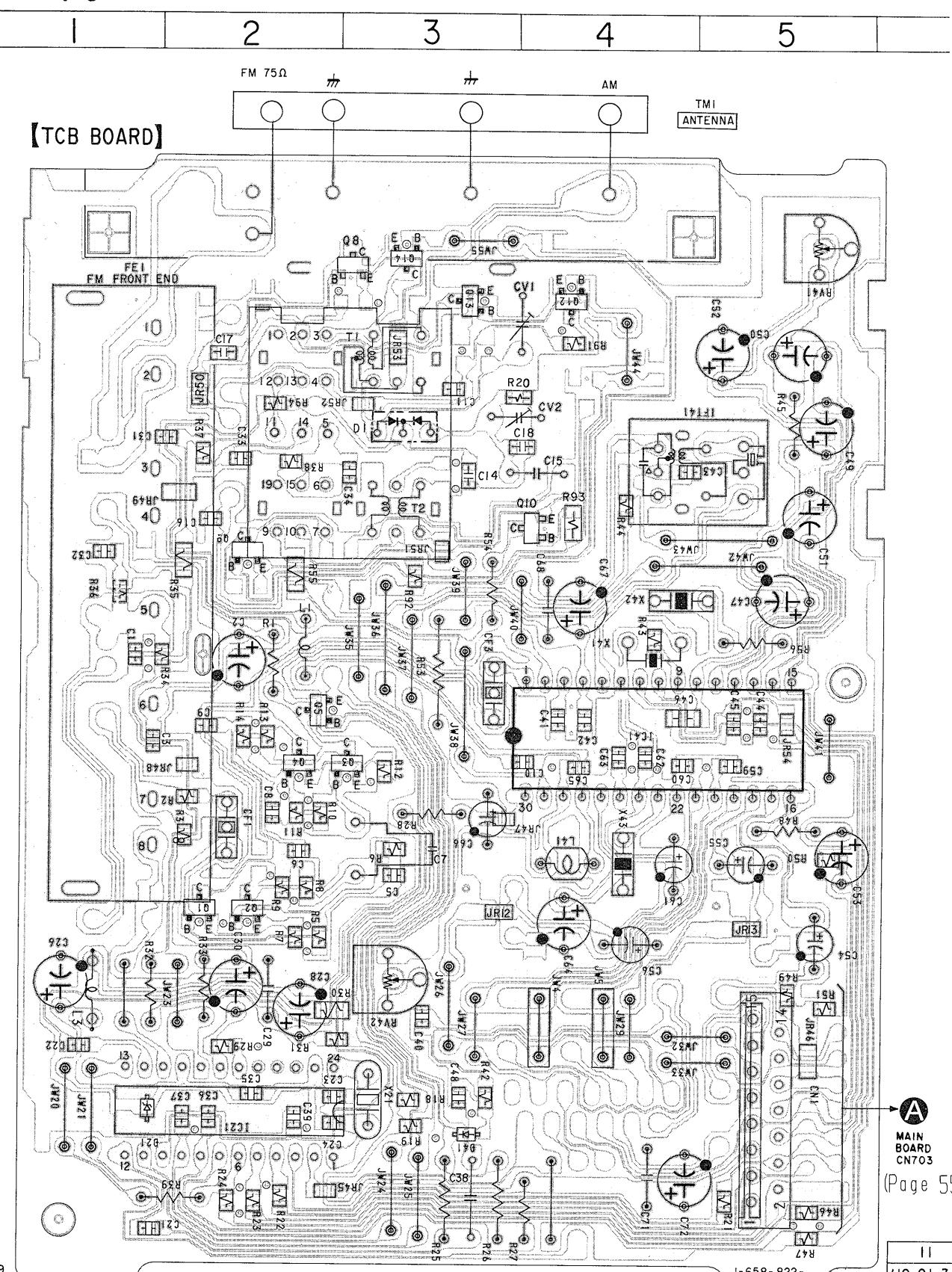


5-12. SCHEMATIC DIAGRAM — TUNER SECTION — (N355K : EA MODEL)



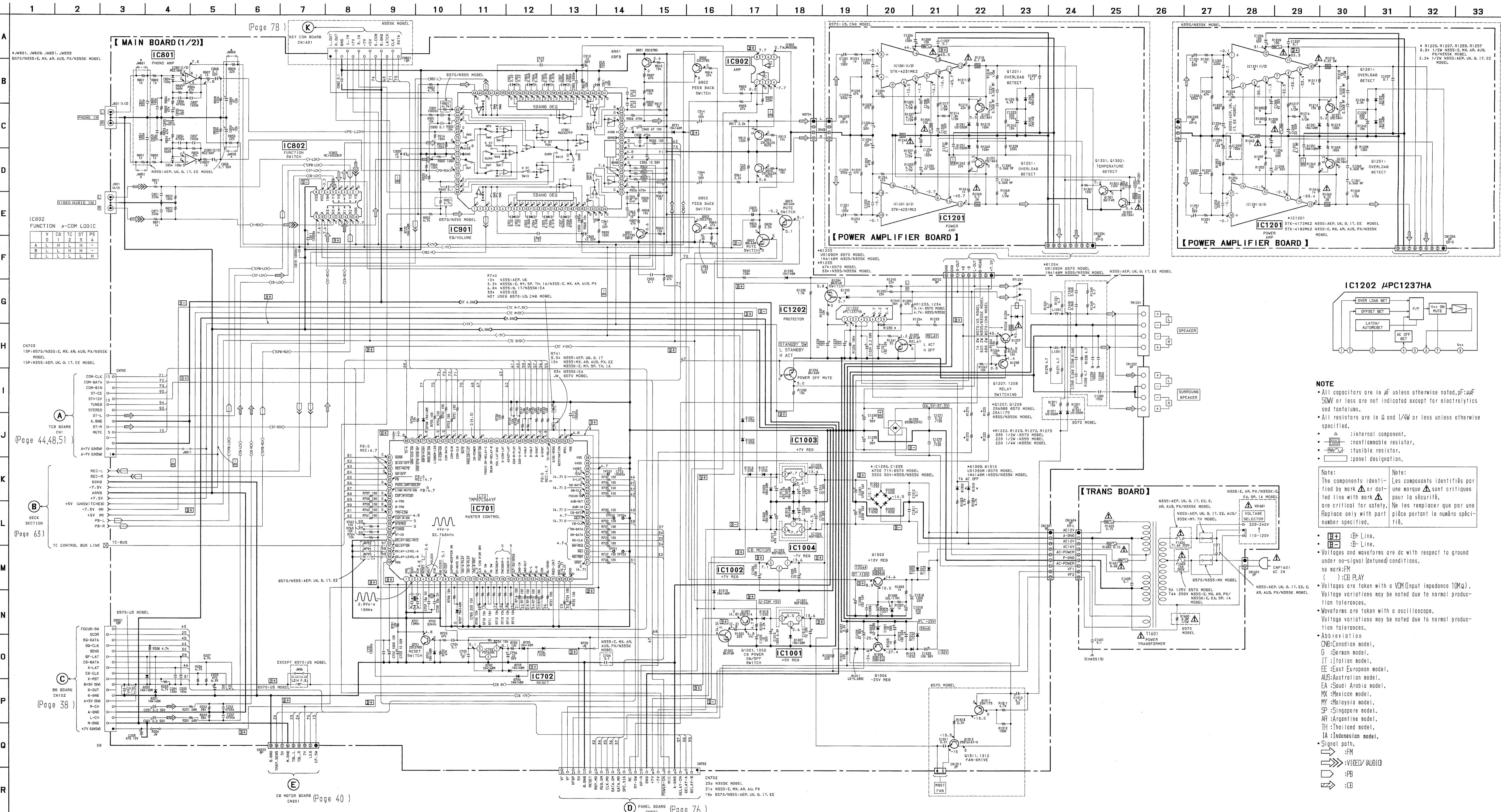
5-13. PRINTED WIRING BOARD — TUNER SECTION — (N355K : EA MODEL)

• See page 18 for Circuit Boards Location.

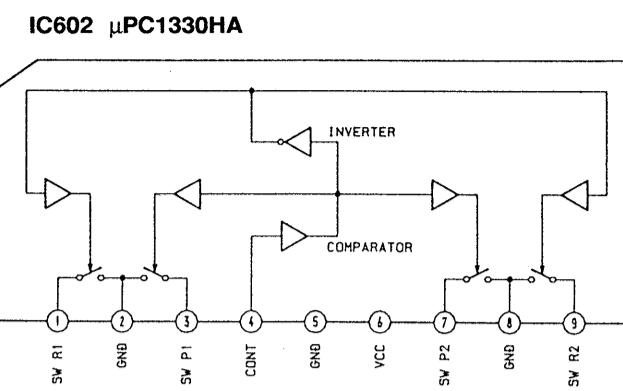




5-15. SCHEMATIC DIAGRAM — MAIN SECTION —  
• See page 20 for IC Pin Function. (IC701)



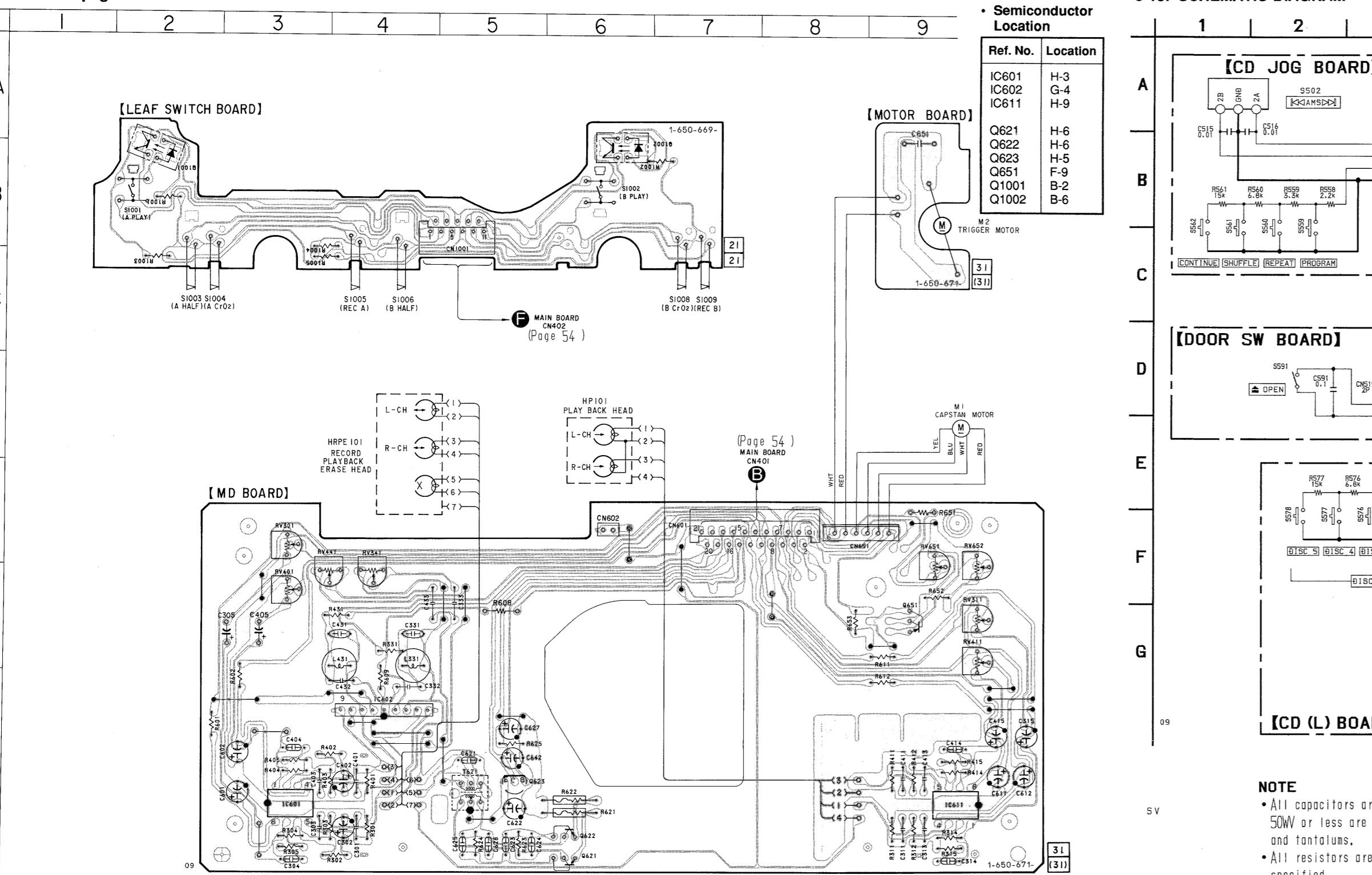
## • IC Block Diagrams



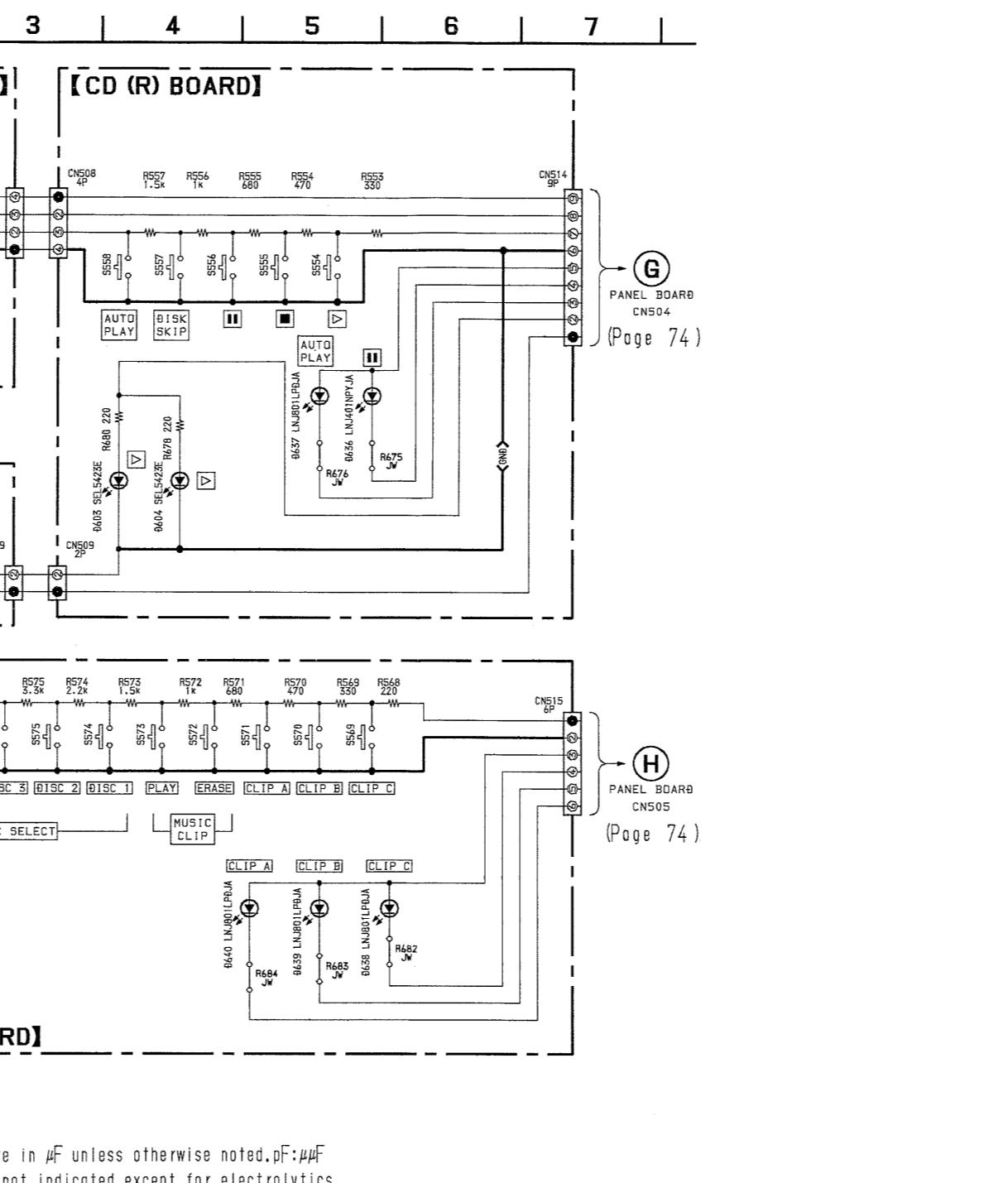
5-17. PRINTED WIRING BOARD — DECK SECTION —  
• See page 18 for Circuit Boards Location

- See page 18 for Circuit Boards Location.

5.16. SCHEMATIC

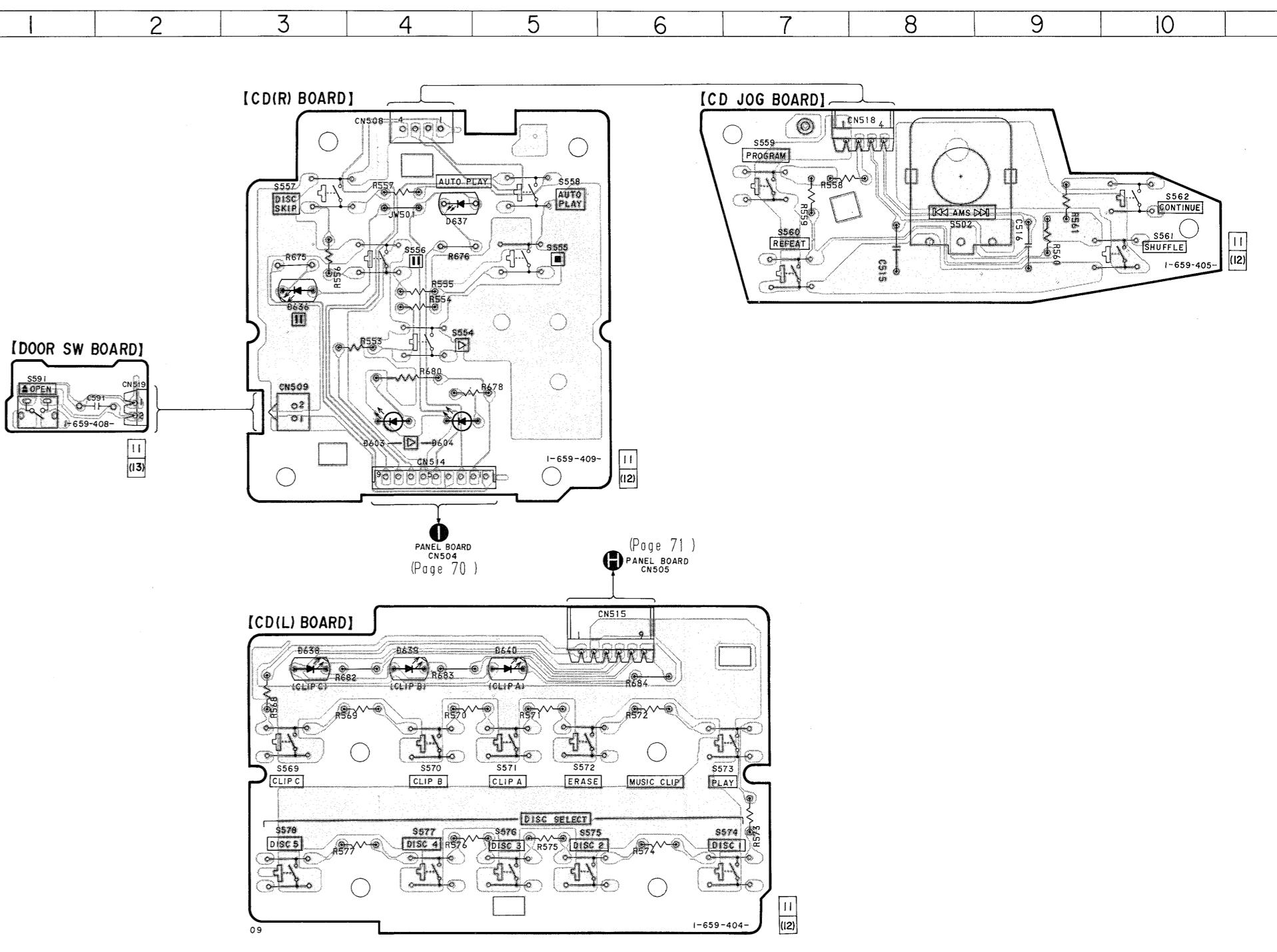


## CD PANEL SECTION —



#### PRINTED WIRING BOARD = CP PANEL SECTION

See page 18 for Circuit Boards Location



is extracted from the component pattern from the side which enable

5-20. PRINTED WIRING BOARD — PANEL SECTION —  
• See page 18 for Circuit Boards Location.

## • Semiconductor Location

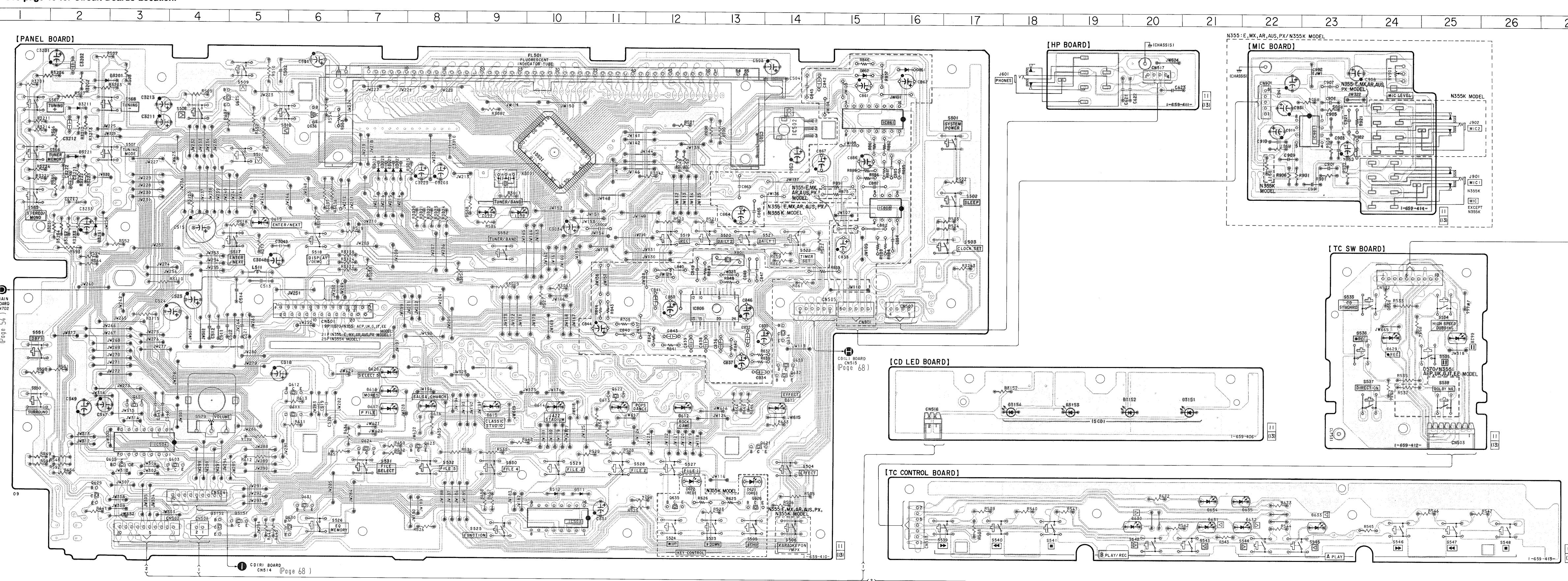
Ref. No.	Location
D503	F-5
D511	H-10
D512	H-10
D601	D-9
D602	D-9
D611	G-14
D612	G-12
D613	G-11
D614	G-10
D615	G-9
D616	G-8
D617	G-7
D618	G-7
D619	D-5
D620	F-7
D621	H-13
D622	H-12
D628	F-25
D629	F-24
D630	I-20
D631	I-21
D632	I-22
D633	I-23
D634	I-21
D635	I-22
D861	A-16
D862	A-15
D3026	C-7
D3027	C-7
D3028	C-7
D3029	C-7
D3151	G-21
D3152	G-20
D3153	G-19
D3154	G-18
D3201	A-3
D3211	B-2
D3221	C-2
D3231	D-2
IC501	C-10
IC502	B-14
IC503	I-10
IC504	H-3
IC806	E-13
IC808	D-16
IC861	B-15
IC901	B-23
Q601	G-3
Q603	H-4
Q605	H-3
Q611	G-6
Q612	G-6
Q621	H-14
Q622	G-11
Q623	H-8
Q624	H-7
Q625	B-5
Q626	I-13
Q629	H-2
Q630	I-6
Q631	I-6
Q632	F-14
Q633	F-14
Q634	F-14
Q635	I-12
Q636	B-6
Q3141	E-16
Q3151	I-5
Q3152	I-4

**Note:**

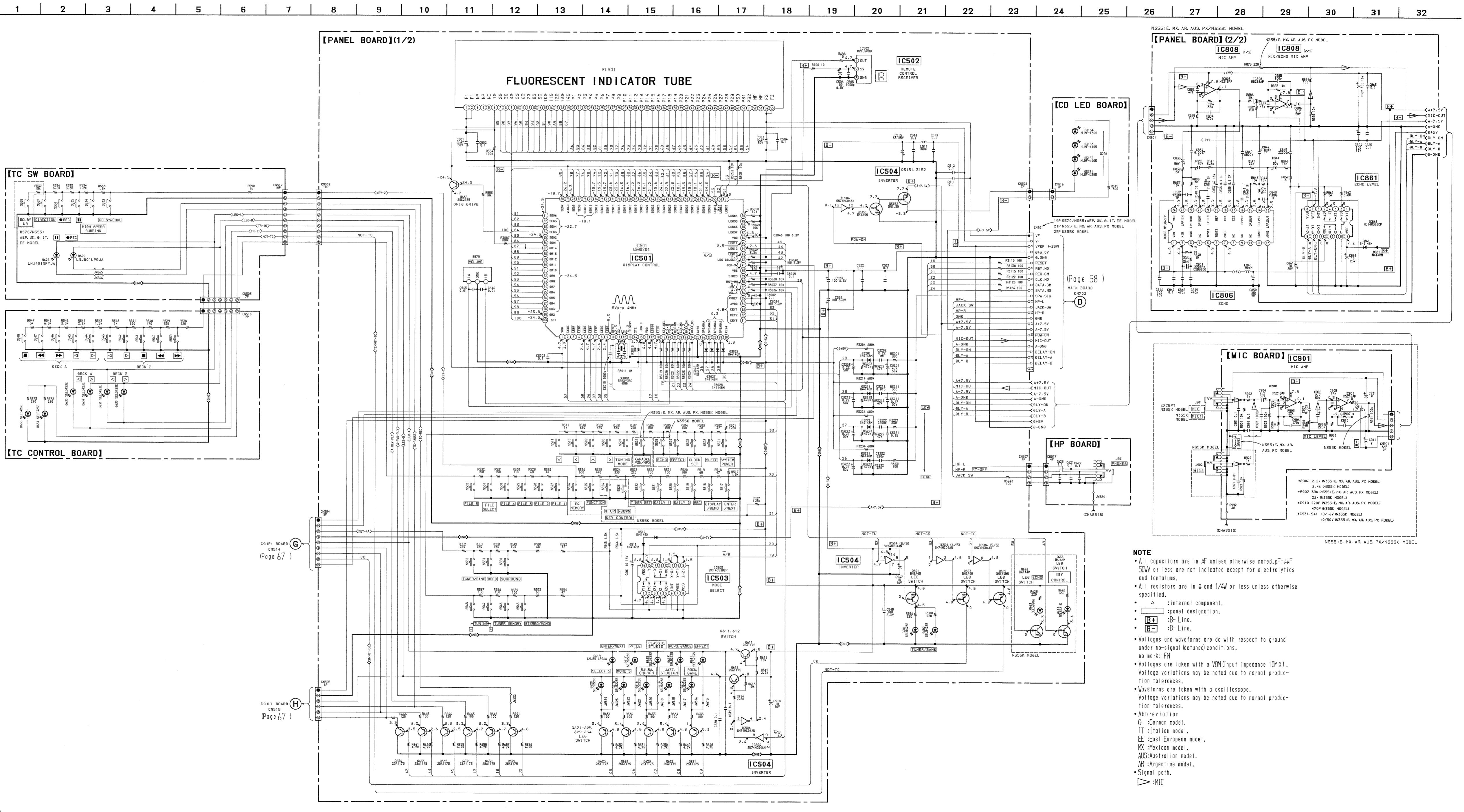
- : parts extracted from the component side.
- : parts extracted from the conductor side.
- △ : internal component.
- : Pattern from the side which enable seeing.

Abbreviation

- G : German model.
- IT : Italian model.
- EE : East European model.
- EA : Saudi Arabia model.
- MX : Mexican model.
- SP : Singapore model.
- MY : Malaysia model.
- AUS : Australian model.
- AR : Argentine model.
- TH : Thailand model.
- IA : Indonesian model.

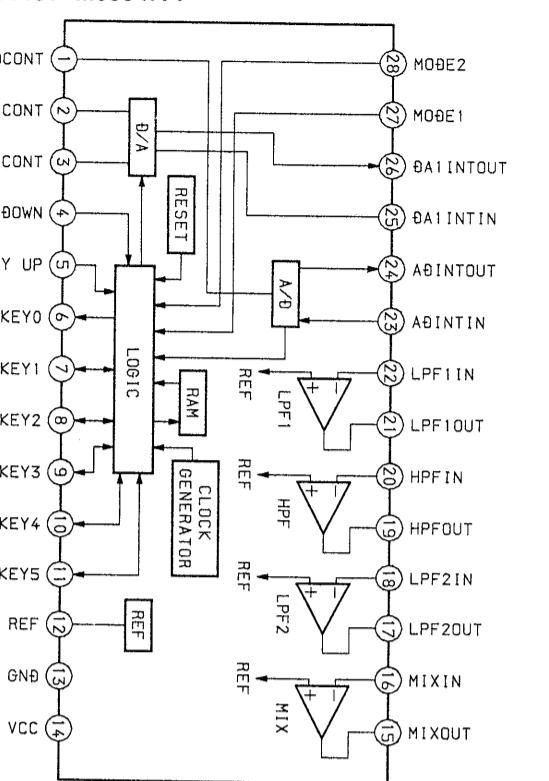


5-21. SCHEMATIC DIAGRAM — PANEL SECTION —  
• See page 19 for IC Pin Function. (IC501)



## IC Block Diagram

C1401 M658471



## Semiconductor section

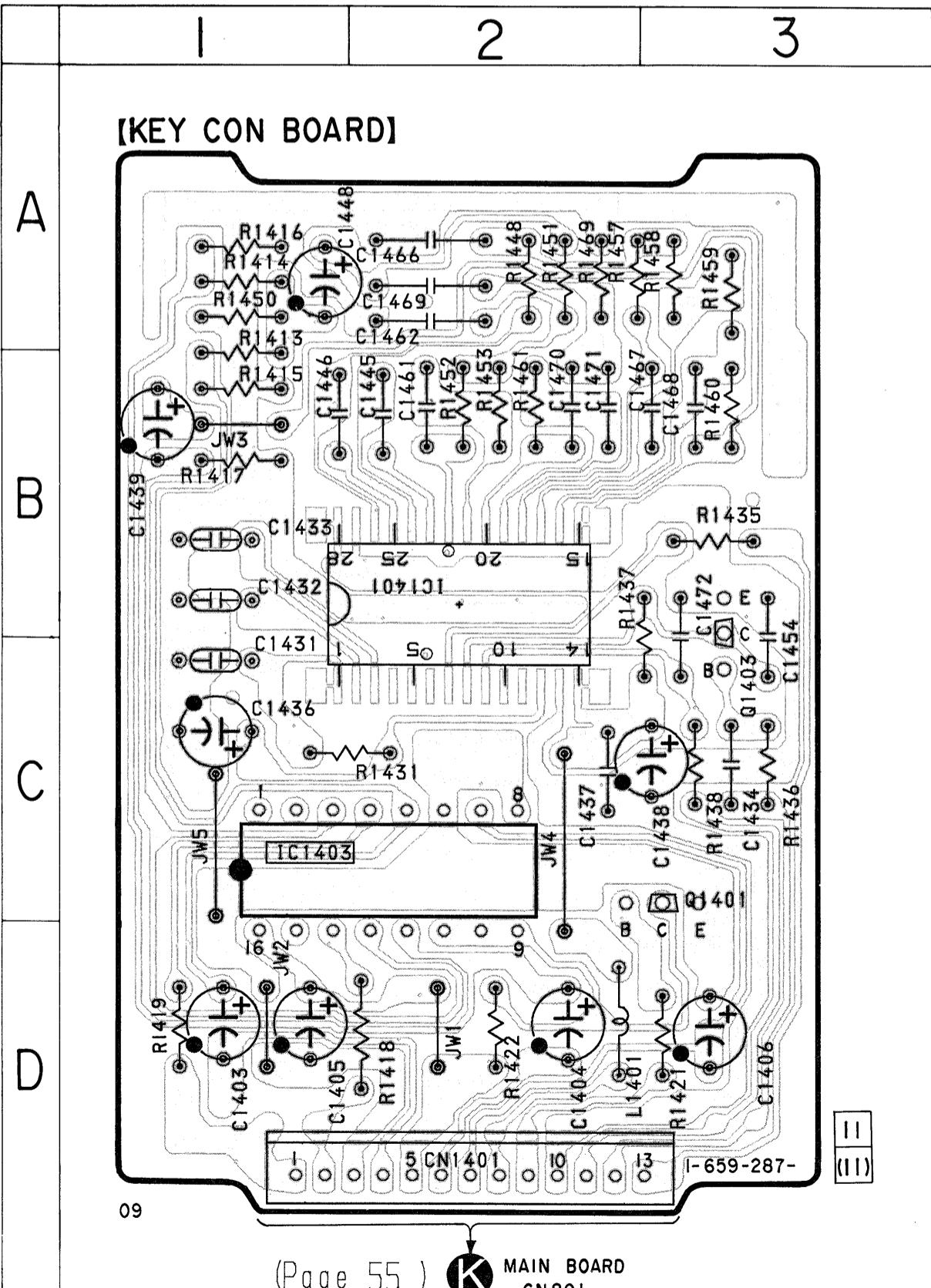
Ref. No.	Location
C1401	B-2
C1043	C-2
Q1401	C-3
Q1403	B-3

**Note:**

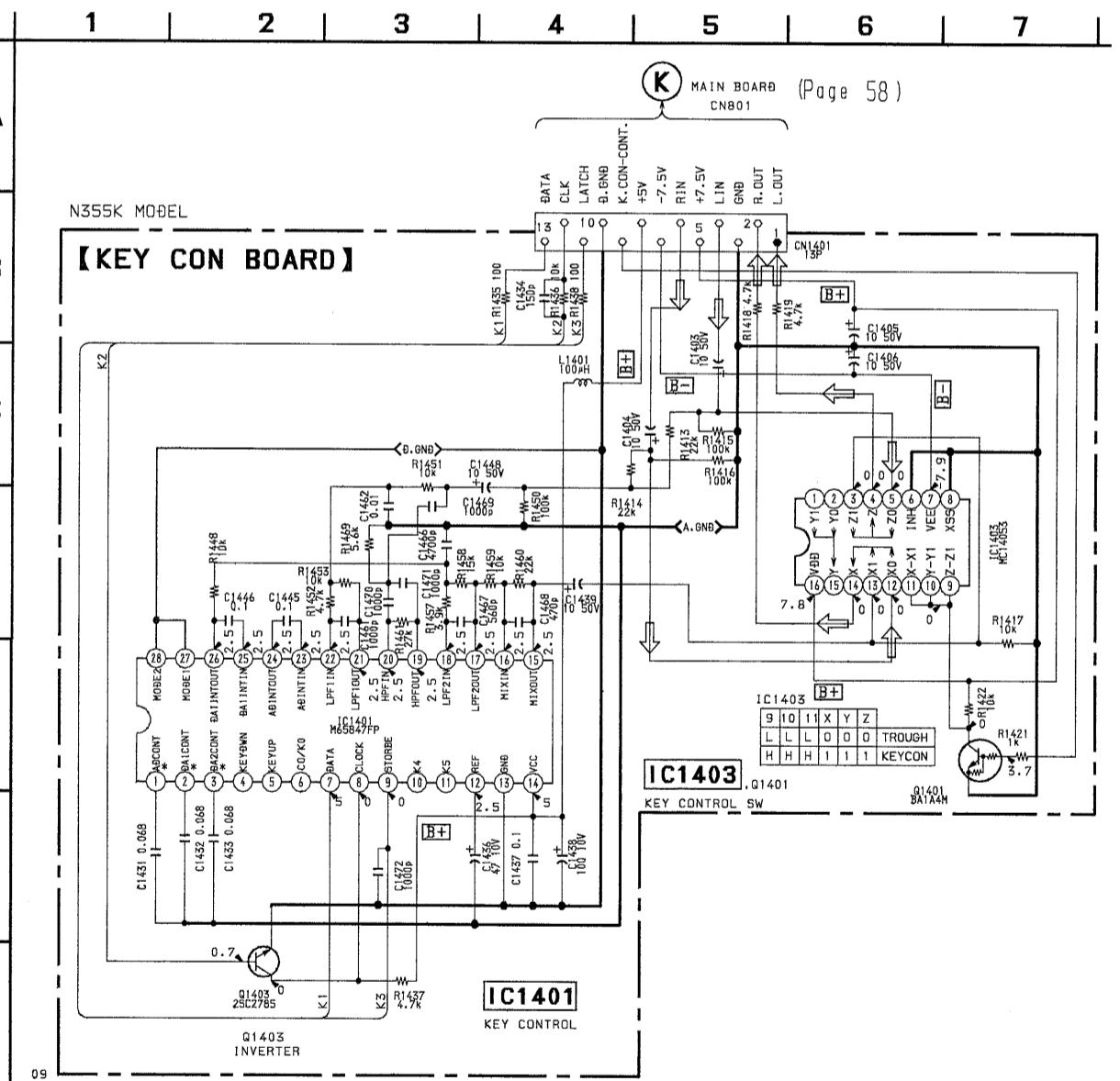
- : parts extracted from the component side.
- : parts extracted from the conductor side.
- : Pattern from the side which enable seeing.

## 5-22. PRINTED WIRING BOARD — KEY CON SECTION — (N355K MODEL ONLY)

- See page 18 for Circuit Boards Location



## 23. SCHEMATIC DIAGRAM — KEY CON SECTION — (N355K MODEL ONLY)



NO

**NOTE**

- All capacitors are in  $\mu F$  unless otherwise noted, pF 50W or less are not indicated except for electrolytic and tantalums.
- All resistors are in  $\Omega$  and 1/4W or less unless otherwise specified.
- **[B+]** :B+ Line.
- **[B-]** :B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.

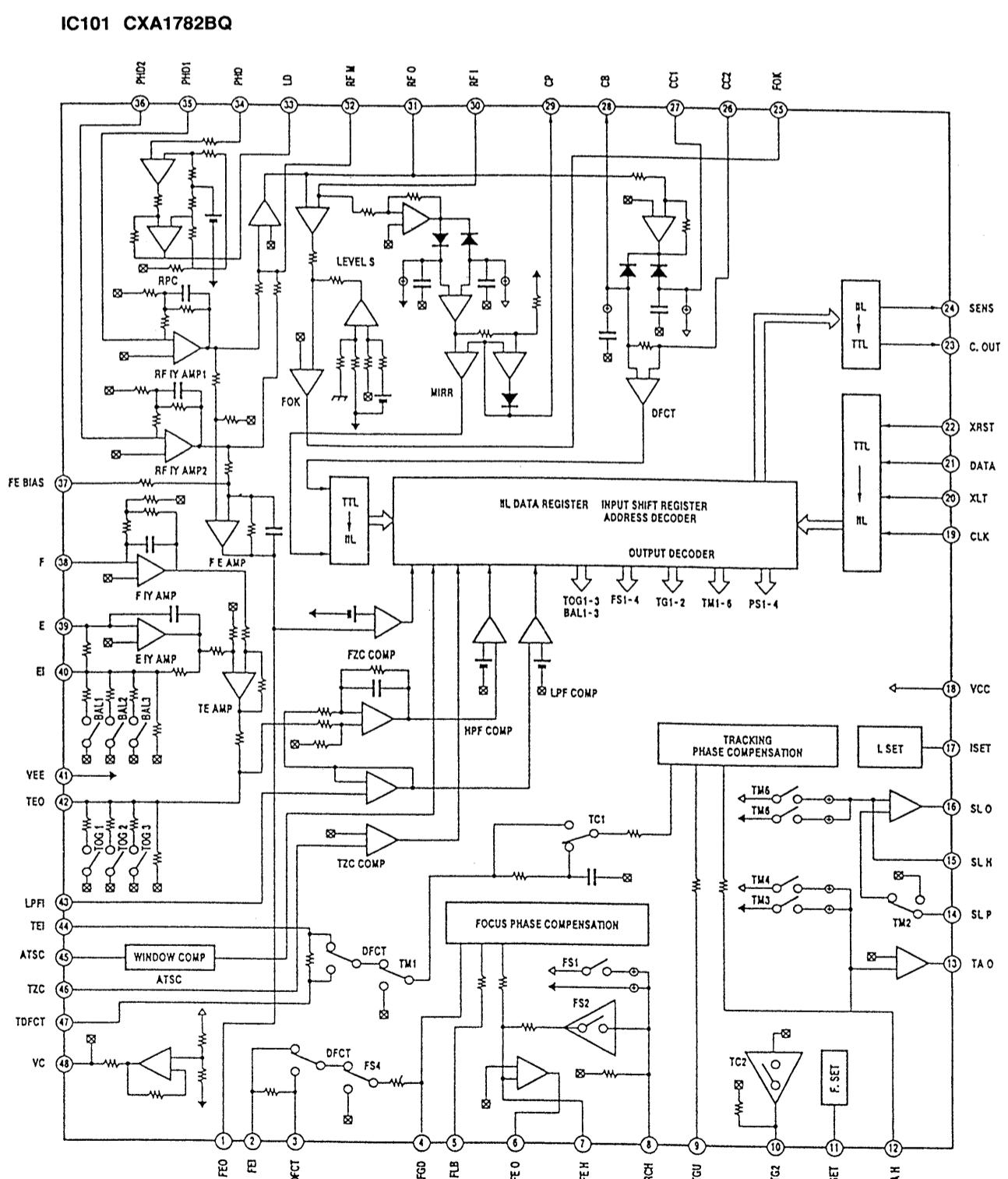
no mark:FM

\* :can not be measured.

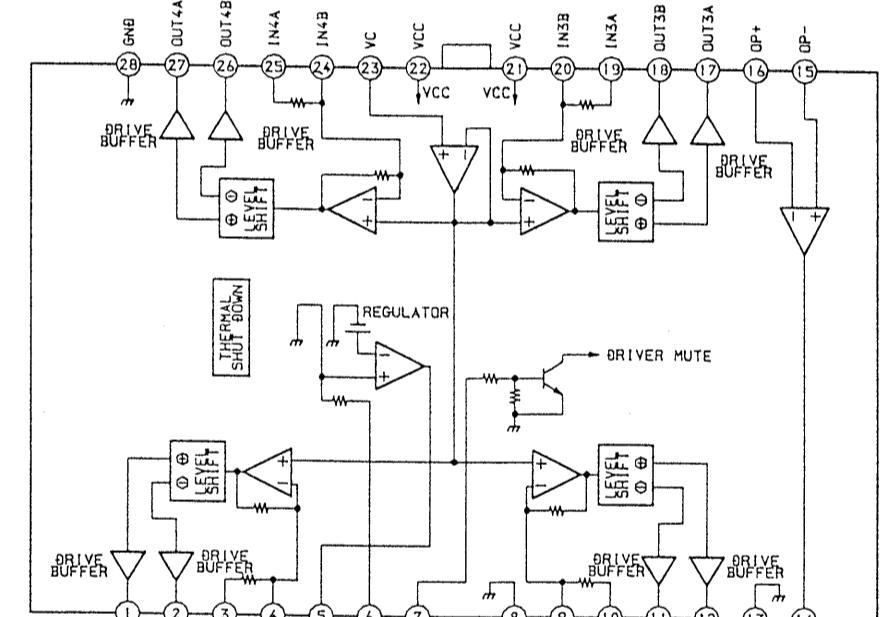
- Voltages are taken with a VOM (Input impedance 10M $\Omega$ ). Voltage variations may be noted due to normal production tolerances.
- Signal path.

 :FM

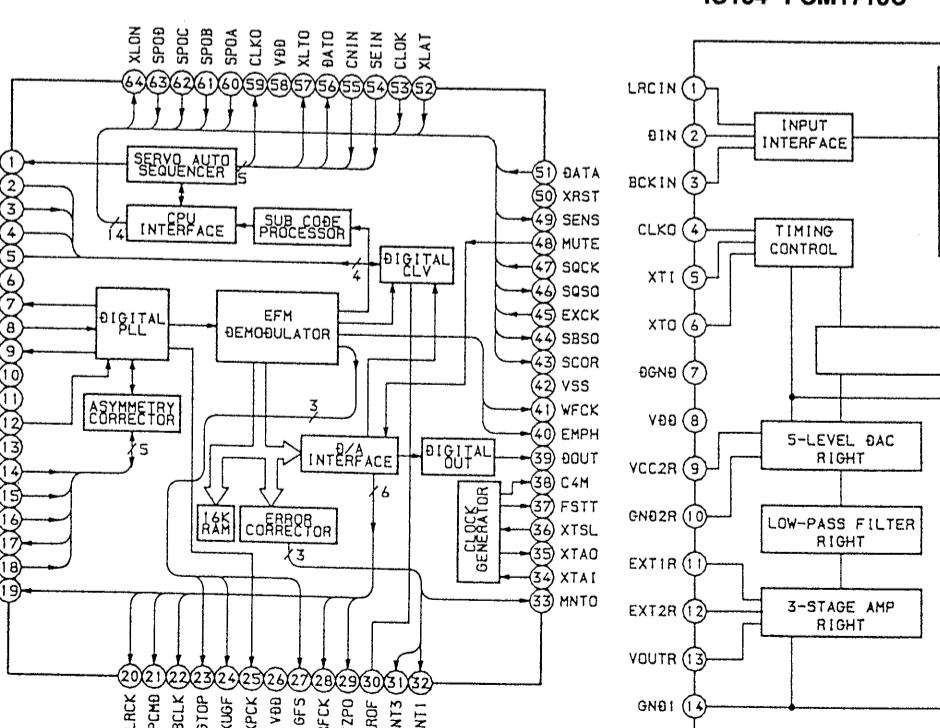
## 5-24. IC BLOCK DIAGRAMS — CD SECTION —



IC102 BA6397FP



IC103\_CXD2507AQ



— 10 —

## SECTION 6

### EXPLODED VIEWS

#### NOTE:

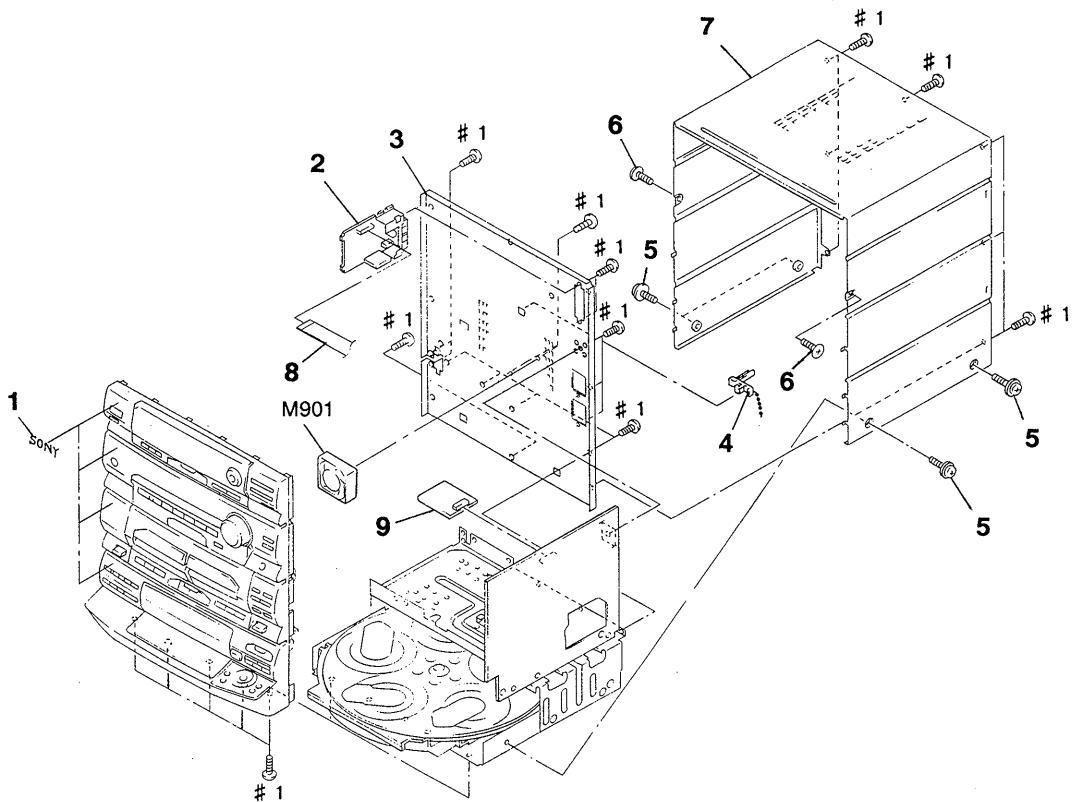
- Items marked “ \* ” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

#### 6-1. CASE AND BACK PANEL SECTION

• Abbreviation
CND : Canadian model
G : German model
IT : Italian model
EE : East European model
EA : Saudi Arabia model
MX : Mexican model
SP : Singapore model
MY : Malaysia model
AUS : Australian model
AR : Argentine model
TH : Thailand model
IA : Indonesian model

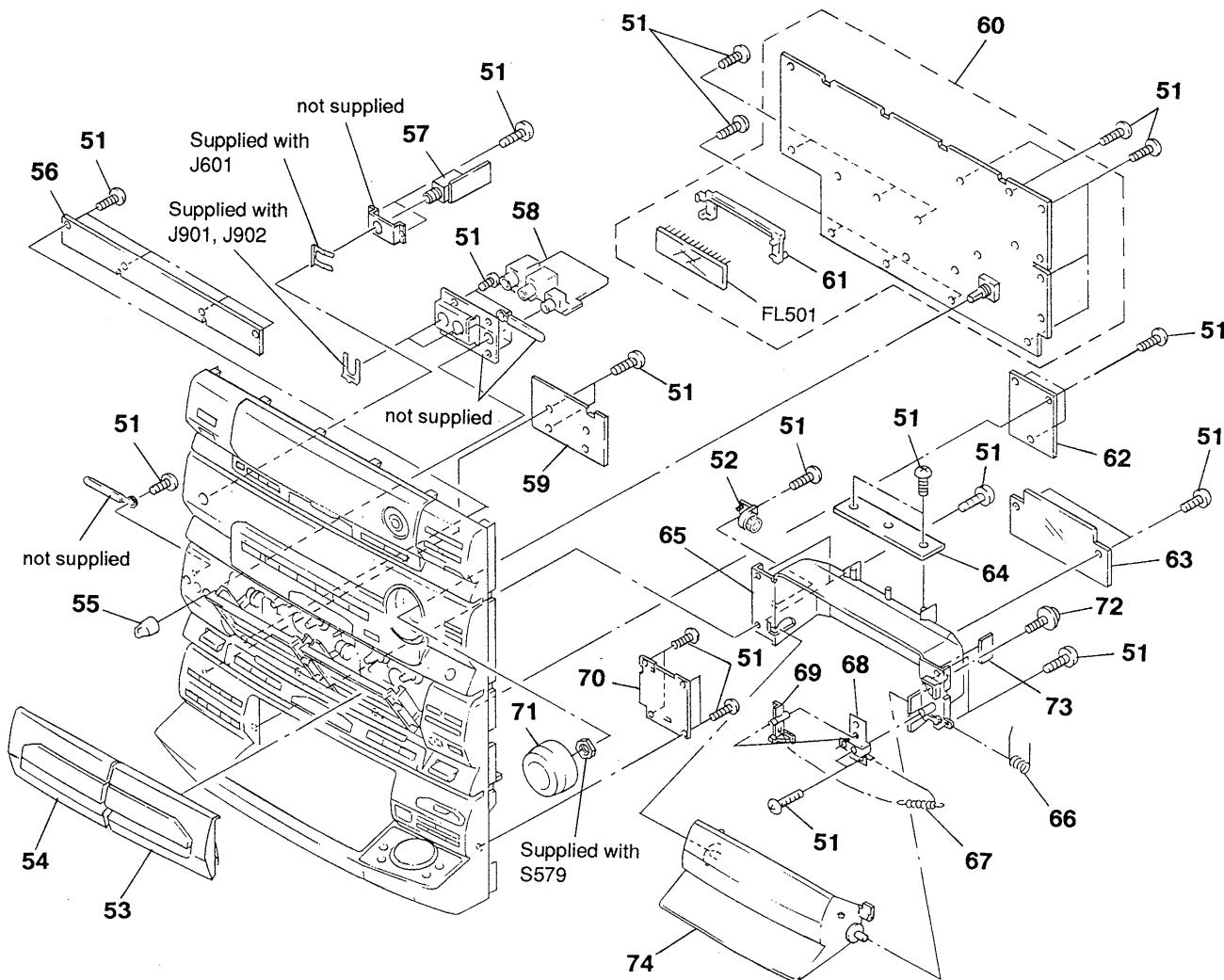
The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



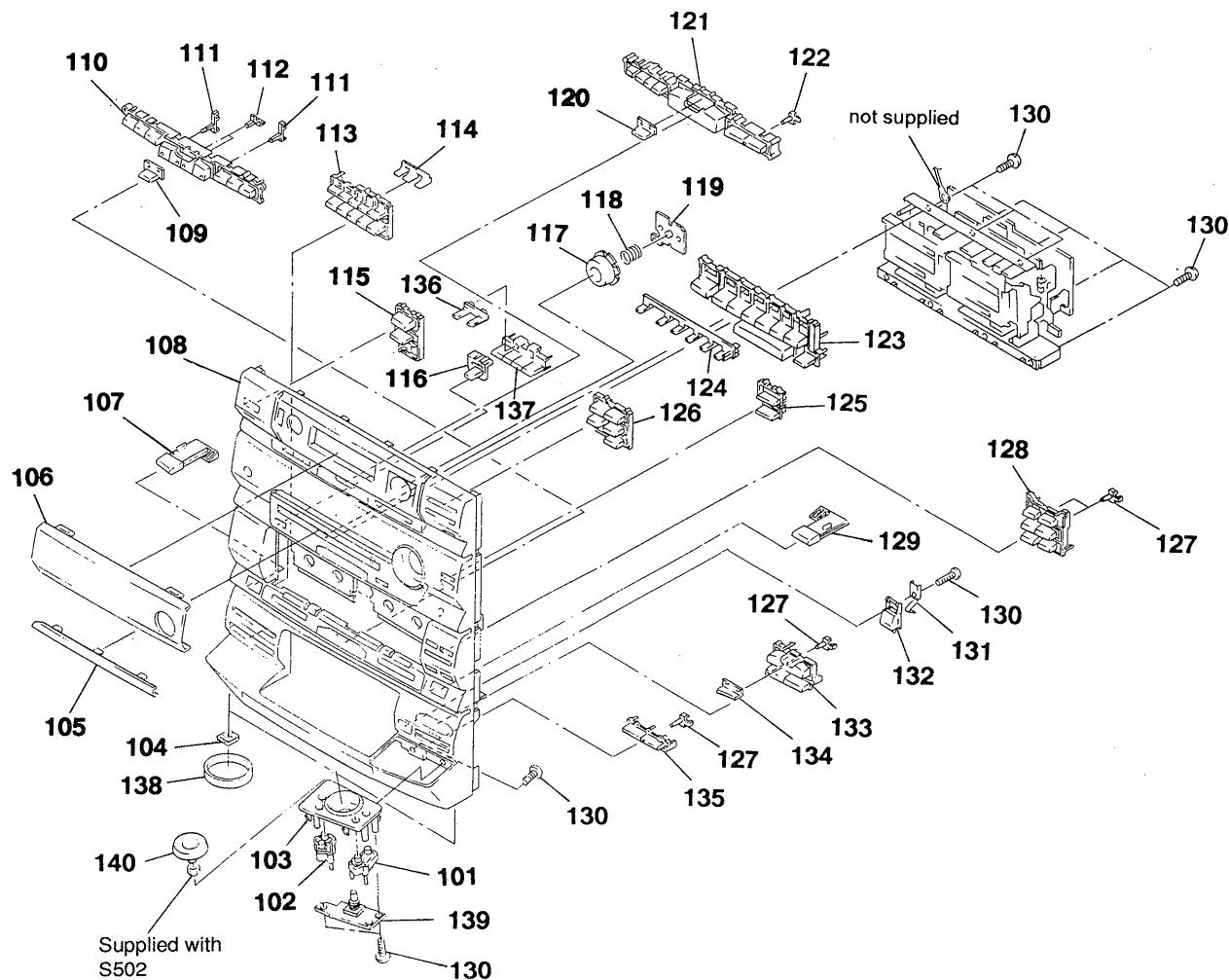
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	4-963-404-21	EMBLEM (5-A), SONY		* 3	4-978-190-21	PANEL, BACK (N355:AUS)	
* 2	A-4303-502-A	TCB BOARD, COMPLETE (N355:AEP, UK)		* 3	4-978-190-31	PANEL, BACK (N355:PX)	
* 2	A-4303-503-A	TCB BOARD, COMPLETE (N355:IT, G)		* 3	4-978-190-41	PANEL, BACK (N355:MX)	
* 2	A-4303-504-A	TCB BOARD, COMPLETE (N355:EE)		* 3	4-978-190-51	PANEL, BACK (N355K:E, IA)	
* 2	A-4303-507-A	TCB BOARD, COMPLETE (N355K:EA)		* 3	4-978-190-61	PANEL, BACK (N355K:EA)	
* 2	A-4303-510-A	TCB BOARD, COMPLETE (D570)		* 3	4-978-190-71	PANEL, BACK (N355K:SP2)	
* 2	A-4303-513-A	TCB BOARD, COMPLETE (N355:E, AUS, PX, MX, AR/N355K:E, SP, IA)		* 3	4-978-190-81	PANEL, BACK (N355K:SP4)	
* 2	A-4303-525-A	TCB BOARD, COMPLETE (N355K:MY)		* 3	4-978-190-91	PANEL, BACK (N355K:MY, TH)	
* 2	A-4303-555-A	TCB BOARD, COMPLETE (N355K:TH)		4	4-956-370-12	BAND, PLUG FIXED (N355:AUS, UK)	
* 3	4-978-189-01	PANEL, BACK (N355:AEP)		5	4-929-973-01	SCREW (CASE, 3 POINT)	
* 3	4-978-189-11	PANEL, BACK (N355:G)		6	3-363-099-01	SCREW (CASE 3 TP2)	
* 3	4-978-189-21	PANEL, BACK (N355:IT)		* 7	4-978-177-11	CASE	
* 3	4-978-189-31	PANEL, BACK (N355:UK)		8	1-751-086-11	WIRE (FLAT TYPE) (13 CORE)	
* 3	4-978-189-51	PANEL, BACK (N355:EE)		8	1-773-012-11	WIRE (FLAT TYPE) (15 CORE)	
* 3	4-978-189-61	PANEL, BACK (D570:US)		* 9	A-4389-020-A	KEYCON BOARD, COMPLETE (N355K)	
* 3	4-978-189-71	PANEL, BACK (D570:CND)		M901	1-698-659-11	FAN, DC (D570)	
* 3	4-978-190-01	PANEL, BACK (N355:E)					
* 3	4-978-190-11	PANEL, BACK (N355:AR)					

## 6-2. PANEL BOARD SECTION



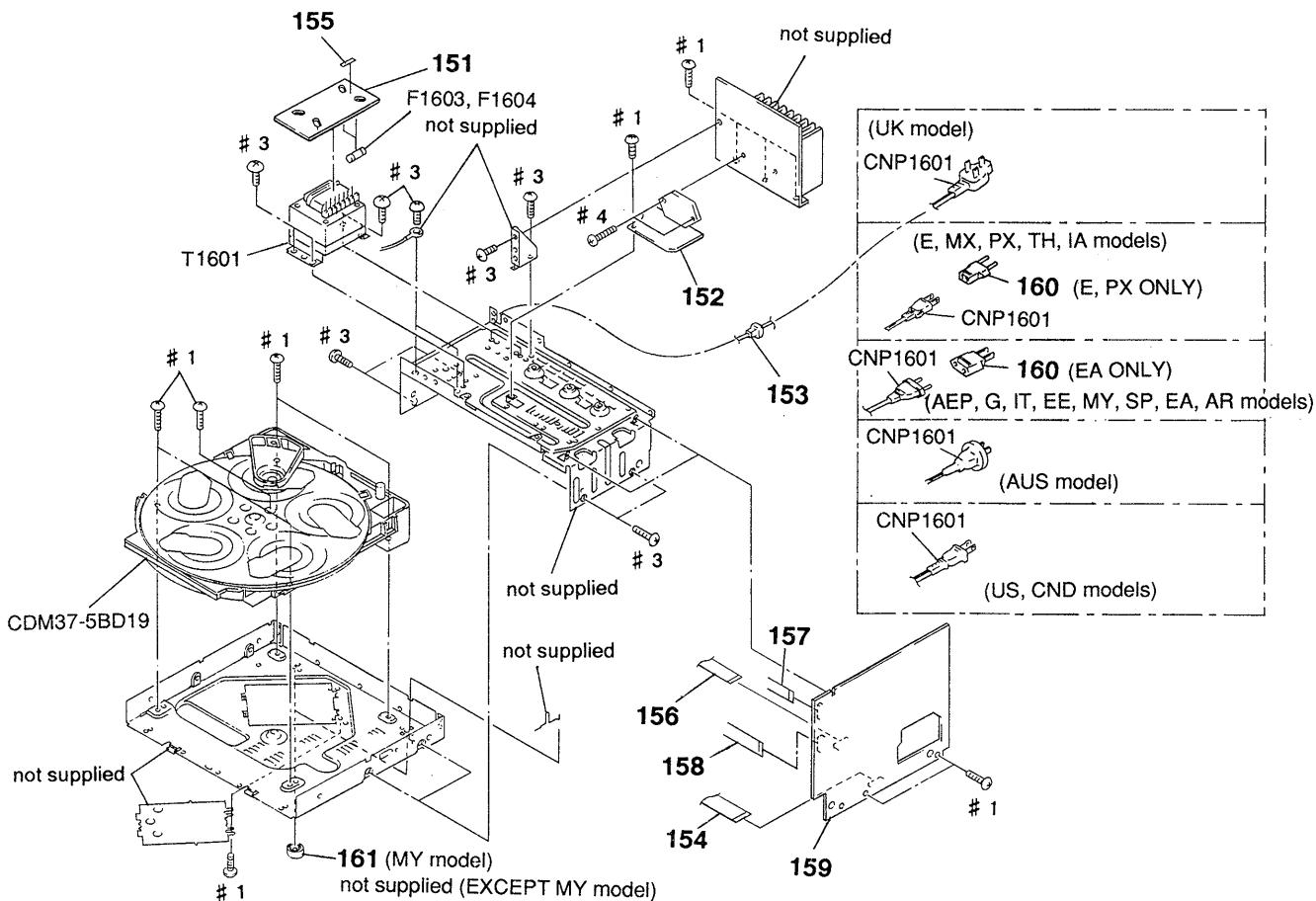
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	4-951-620-01	SCREW (2.6X8), +BVTP		61	4-971-014-11	HOLDER, FL TUBE	
52	3-354-963-21	DAMPER		* 62	1-659-412-11	TC SW BOARD	
53	X-4946-636-1	LID (B) ASSY, CASSETTE		63	4-980-060-01	INDICATOR (COVER)	
54	X-4946-635-1	LID (A) ASSY, CASSETTE		* 64	1-659-406-11	CD LED BOARD	
55	4-973-644-01	KNOB (MIC) (N355:E, MX, AR, AUS, PX/N355K)		65	4-978-140-11	COVER (CD)	
* 56	1-659-413-11	TC CONTROL BOARD		66	4-978-171-01	SPRING, TORSION	
* 57	1-659-411-11	HP BOARD		67	4-978-170-01	SPRING, TENSION	
* 58	1-659-414-11	MIC BOARD (N355:E, MX, AR, AUS, PX/N355K)		* 68	4-978-169-01	BRACKET (OPEN)	
* 59	1-659-404-11	CD (L) BOARD		69	4-978-141-01	LEVER, LOCK	
* 60	A-4389-673-A	PANEL BOARD, COMPLETE (D570/N355:AEP, UK, G, IT, EE)		* 70	1-659-409-11	CD (R) BOARD	
* 60	A-4389-678-A	PANEL BOARD, COMPLETE (N355:E, MX, AR, AUS, PX)		71	4-978-142-01	KNOB (V)	
* 60	A-4390-148-A	PANEL BOARD, COMPLETE (N355K:MY)		72	4-957-577-01	SCREW +PTPWH (2.6X8)	
* 60	A-4390-155-A	PANEL BOARD, COMPLETE (N355K:E, EA, SP, IA)		* 73	1-659-408-11	DOOR SW BOARD	
* 60	A-4390-205-A	PANEL BOARD, COMPLETE (N355K:TH)		74	4-978-139-01	LID, DISC	
				FL501	1-517-490-21	INDICATOR TUBE, FLUORESCENT	

### 6-3. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	4-978-153-01	BUTTON (PROGRAM)		121	4-978-121-11	BUTTON (BAND)	
102	4-978-712-01	BUTTON (SHUFFLE)		122	4-978-136-01	INDICATOR (ENTER)	
103	4-978-155-01	PLATE, ORNAMENTAL		123	4-978-123-01	BUTTON (FU)	
104	4-948-236-01	CUSHION (107)		124	4-978-681-01	INDICATOR (SE5)	
105	4-978-134-11	DISPLAY (TA) (N355K)		125	4-978-122-01	BUTTON (DBFB)	
105	4-978-134-21	DISPLAY (TA) (D570/N355)		126	4-978-120-01	BUTTON (TUNING)	
106	4-978-131-01	DISPLAY (ST)		127	4-978-161-01	INDICATOR (PAUSE)	
107	4-978-146-01	BUTTON (EJECT-L)		128	4-978-144-01	BUTTON (DUBBING)	
108	4-978-114-01	PANEL, FRONT (N355:AEP, UK, G, IT, EE)		128	4-978-144-11	BUTTON (DUBBING)	(D570/N355:AEP, UK, G, IT, EE)
108	4-978-114-11	PANEL, FRONT (N355:E, MX, AR, AUS, PX)		129	4-978-147-01	BUTTON (EJECT-R)	
108	4-978-114-21	PANEL, FRONT (N355K)		130	4-951-620-01	SCREW (2.6X8), +BVTP	
108	4-978-114-31	PANEL, FRONT (D570)		131	4-980-061-01	SPRING (OPEN)	
109	4-978-157-01	INDICATOR (TC)		132	4-978-130-01	BUTTON (OPEN)	
110	4-978-145-01	BUTTON (TC)		133	4-978-128-01	BUTTON (PLAY)	
111	4-978-159-01	INDICATOR (REV)		134	4-978-137-01	INDICATOR (PLAY)	
112	4-978-158-01	INDICATOR (FWD)		135	4-978-152-01	BUTTON (AUTO)	
113	4-978-127-11	BUTTON (DISC 5)		136	4-978-156-01	INDICATOR (KARAOKE) (N355K)	
114	4-978-160-01	INDICATOR (CLIP)		137	4-978-150-01	BUTTON (KARAOKE) (N355K)	
115	4-978-118-01	BUTTON (POWER)		138	4-921-918-11	PLATE, ORNAMENTAL	
116	4-978-151-01	BUTTON (PON) (N355:E, MX, AR, AUS, PX)		* 139	1-659-405-11	CD JOG BOARD	
117	4-978-119-01	BUTTON (CURSOR)		140	4-978-154-01	KNOB (DISC)	
118	4-978-683-01	SPRING, COMPRESSION					
119	4-978-682-01	COVER (CURSOR)					
120	4-978-135-01	INDICATOR (BAND)					

## 6-4. CHASSIS SECTION

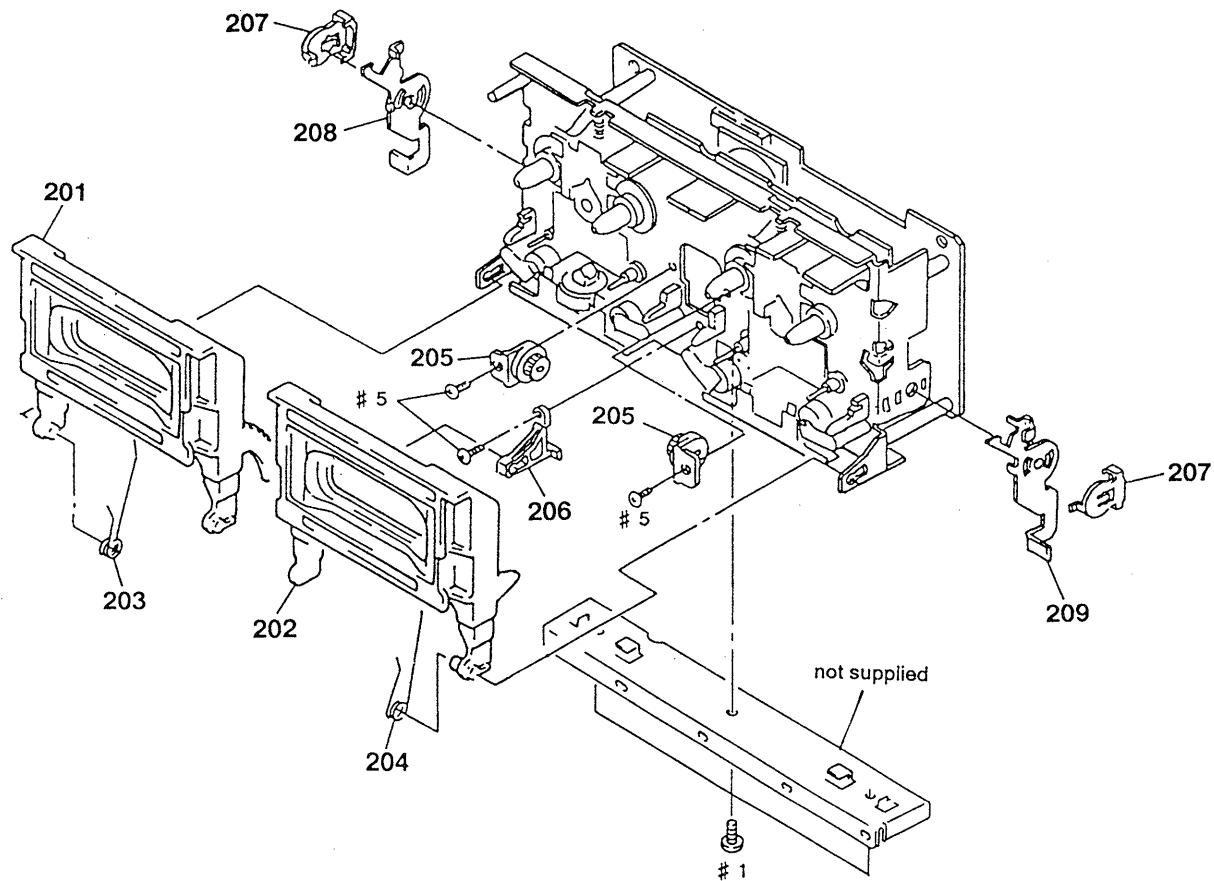


The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une marque  $\Delta$  sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

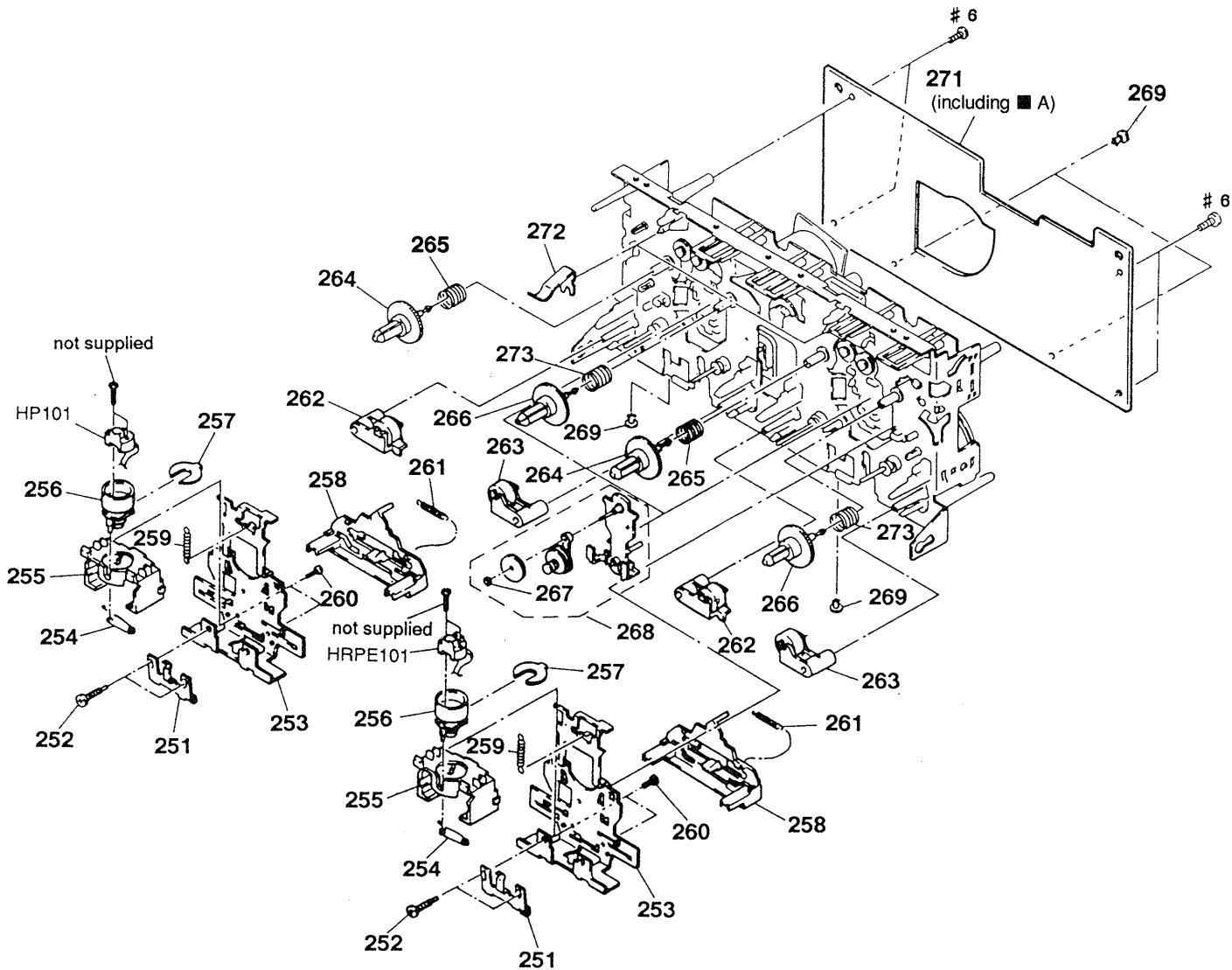
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
* 151	1-659-218-11	TRANS BOARD		* 159	A-4389-666-A	MAIN BOARD, COMPLETE (D570)	
* 152	A-4378-988-A	POWER AMP BOARD, COMPLETE (N355:AEP, UK, G, IT, EE)		* 159	A-4390-150-A	MAIN BOARD, COMPLETE (N355K:MY)	
* 152	A-4378-998-A	POWER AMP BOARD, COMPLETE (N355:E, MX, AR, AUS, PX/N355K:E, EA, SP, IA)		* 159	A-4390-158-A	MAIN BOARD, COMPLETE (N355K:EA)	
* 152	A-4389-671-A	POWER AMP BOARD, COMPLETE (D570:US, CND)		* 159	A-4390-207-A	MAIN BOARD, COMPLETE (N355K:TH)	
* 152	A-4390-149-A	POWER AMP BOARD, COMPLETE (N355K:MY)		△160	1-569-007-11	ADAPTER, CONVERSION 2P (N355:PX/N355K:E)	
* 152	A-4390-206-A	POWER AMP BOARD, COMPLETE (N355K:TH)		△160	1-569-008-21	ADAPTER, CONVERSION 2P (N355K:EA)	
* 153	3-703-244-00	BUSHING (2104), CORD (D570/N355:AEP, UK, G, IT, EE, AR, AUS/N355K:EA, MY, SP)		△CNP16011-555-750-00	CORD, POWER (N355:AR/N355K:EA)		
* 153	4-966-266-01	BUSHING (S)(FBS002), CORD (N355:E, MX, PX/N355K:E, TH, IA)		△CNP16011-558-943-51	CORD, POWER (N355:E, MX, PX/N355K:E, IA)		
154	1-776-238-11	WIRE (FLAT TYPE)(19 CORE)		△CNP16011-575-042-21	CORD, POWER (D570)		
* 155	3-701-946-27	LABEL, FUSE RATING (D570)		△CNP16011-575-651-21	CORD, POWER (N355:EAEP, G, IT, EE/N355K:MY, SP)		
156	1-590-218-11	WIRE (FLAT TYPE)(11 CORE)		△CNP16011-696-966-11	CORD, POWER (N355:AU)		
157	1-765-338-11	WIRE (FLAT TYPE)(21 CORE)		△CNP16011-751-326-11	CORD, POWER (N355K:TH)		
158	1-773-119-11	WIRE (FLAT TYPE)(19 CORE) (D570/N355:AEP, UK, G, IT, EE)		△CNP16011-751-529-11	CORD, POWER (N355:UK)		
158	1-773-154-11	WIRE (FLAT TYPE)(21 CORE) (N355:E, MX, AR, AUS, PX)		△F1603	1-532-350-00	FUSE, TIME LAG (T4A/250V) (N355:E, MX, AR, PX/N355K:E, EA, SP, IA)	
158	1-773-220-11	WIRE (FLAT TYPE)(25 CORE) (N355K)		△F1603	1-533-420-11	FUSE, GLASS CYLINDRICAL (DIA. 5) (5A/125V) (D570)	
* 159	A-4378-981-A	MAIN BOARD, COMPLETE (N355:AEP, UK, G, IT, EE)		△F1604	1-532-259-00	FUSE, TIME LAG (T1.6A/250V) (N355:AEP, UK, G, IT, EE, AR, AUS, PX/N355K)	
* 159	A-4378-993-A	MAIN BOARD, COMPLETE (N355:E, MX, AR, AUS, PX)		△T1601	1-429-335-11	TRANSFORMER, POWER (N355:AEP, UK, G, IT, EE)	
* 159	A-4389-002-A	MAIN BOARD, COMPLETE (N355K:E, SP, IA)		△T1601	1-429-336-11	TRANSFORMER, POWER (N355:E, MX, AR, AUS, PX/N355K)	
				△T1601	1-429-337-11	TRANSFORMER, POWER (D570)	

**6-5. TC MECHANISM SECTION 1  
(TCM-220WR2E)**



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
* 201 201	A-4384-062-A X-4943-776-1	HOLDER (L) ASSY, CASSETTE (N355K:TH)		203	4-959-231-11	SPRING (L), TORSION	
		HOLDER (L) ASSY, CASSETTE (D570/N355/N355K:E, EA, SP)		204	4-959-232-11	SPRING (R), TORSION	
201	X-4945-690-1	HOLDER (L) ASSY, CASSETTE (N355K:MY)		205	3-354-963-01	DAMPER	
* 202 202	A-4384-063-A X-4943-775-1	HOLDER (R) ASSY, CASSETTE (N355K:TH)		* 206	3-908-611-01	FULCRUM, HOLDER	
		HOLDER (R) ASSY, CASSETTE (D570/N355/N355K:E, EA, SP)		207	3-354-957-01	JOINT (LOCK LEVER)	
202	X-4945-691-1	HOLDER (R) ASSY, CASSETTE (N355K:MY)		* 208	3-354-953-01	LEVER (LOCK LEVER L)	
				* 209	3-354-954-01	LEVER (LOCK LEVER R)	

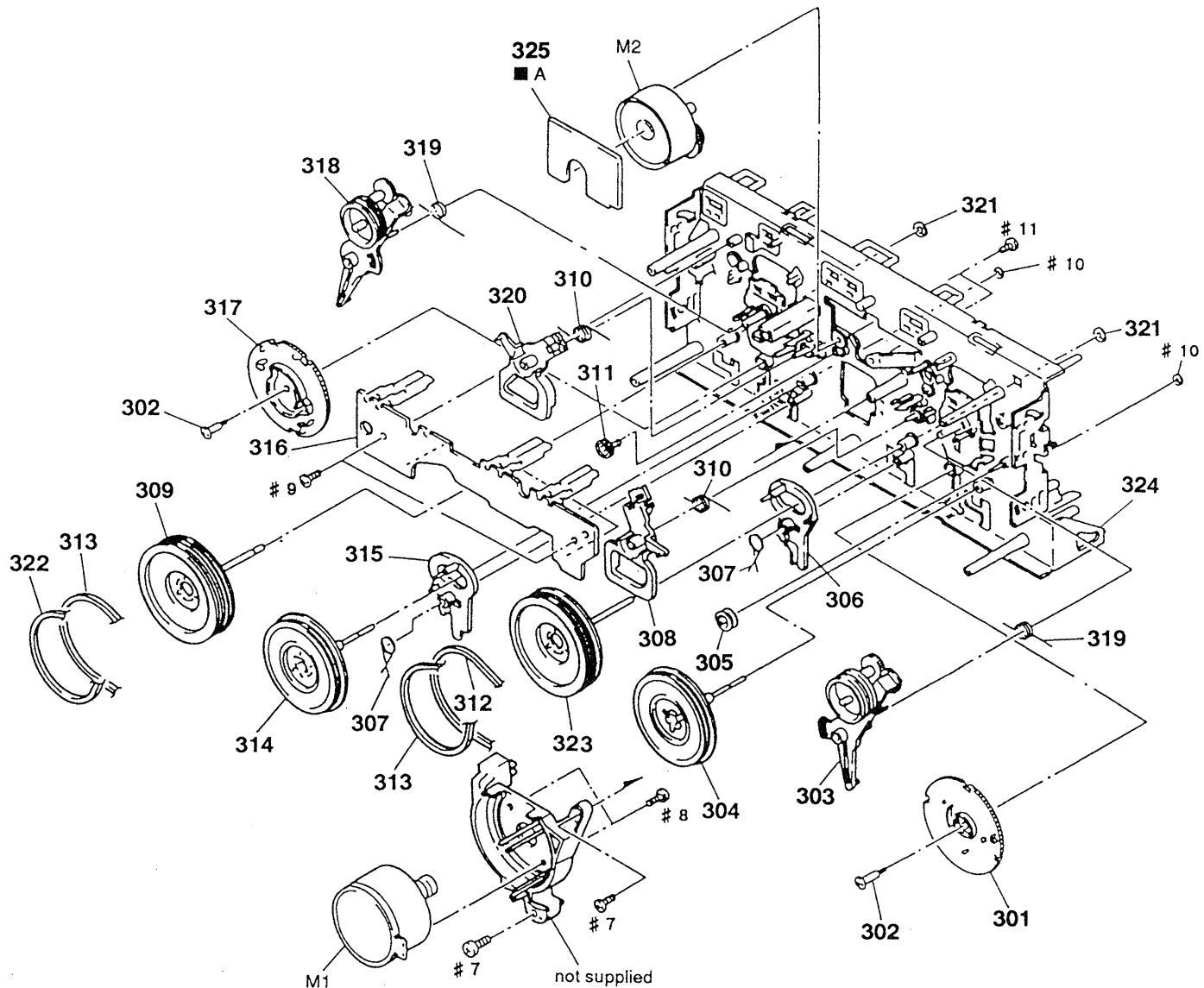
6-6. TC MECHANISM SECTION 2  
(TCM-220WR2E)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
251	3-908-560-01	SPRING, AZIMUTH ADJUSTMENT		263	X-3367-588-1	PINCH LEVER (FWD) ASSY	
252	3-919-684-01	SCREW, AZIMUTH ADJUSTMENT		264	3-908-613-01	GEAR (S), REEL	
* 253	X-3367-584-2	SLIDER (HEAD) ASSY		265	3-917-141-01	SPRING, COMPRESSION	
254	3-908-556-01	SPRING, HEAD TOGGLE		266	X-3371-305-1	REEL (T) ASSY	
255	3-908-558-02	FITTING BLOCK, HEAD		267	3-669-465-01	WASHER (1.5), STOPPER	
256	3-908-557-02	ROTARY BLOCK, HEAD		268	X-3370-173-1	TU ASSY	
* 257	3-908-559-01	STOPPER, AZIMUTH		269	3-911-116-21	RIVET, PUSH	
258	3-908-555-01	SLIDER (REV SLIDER)		* 271	A-2007-435-A	MD BOARD, COMPLETE	
259	3-917-143-11	SPRING, TENSION		272	3-930-972-01	DETENT, HALF	
260	3-388-848-01	SCREW (P2X6) (B TIGHT)		273	3-917-142-01	SPRING, COMPRESSION	
261	3-911-113-01	SPRING, TENSION		HP101	1-500-093-11	HEAD, MAGNETIC (PLAYBACK)	
262	X-3370-643-1	PINCH LEVER (REV) ASSY				HEAD, MAGNETIC (REC/PB/ERASE)	

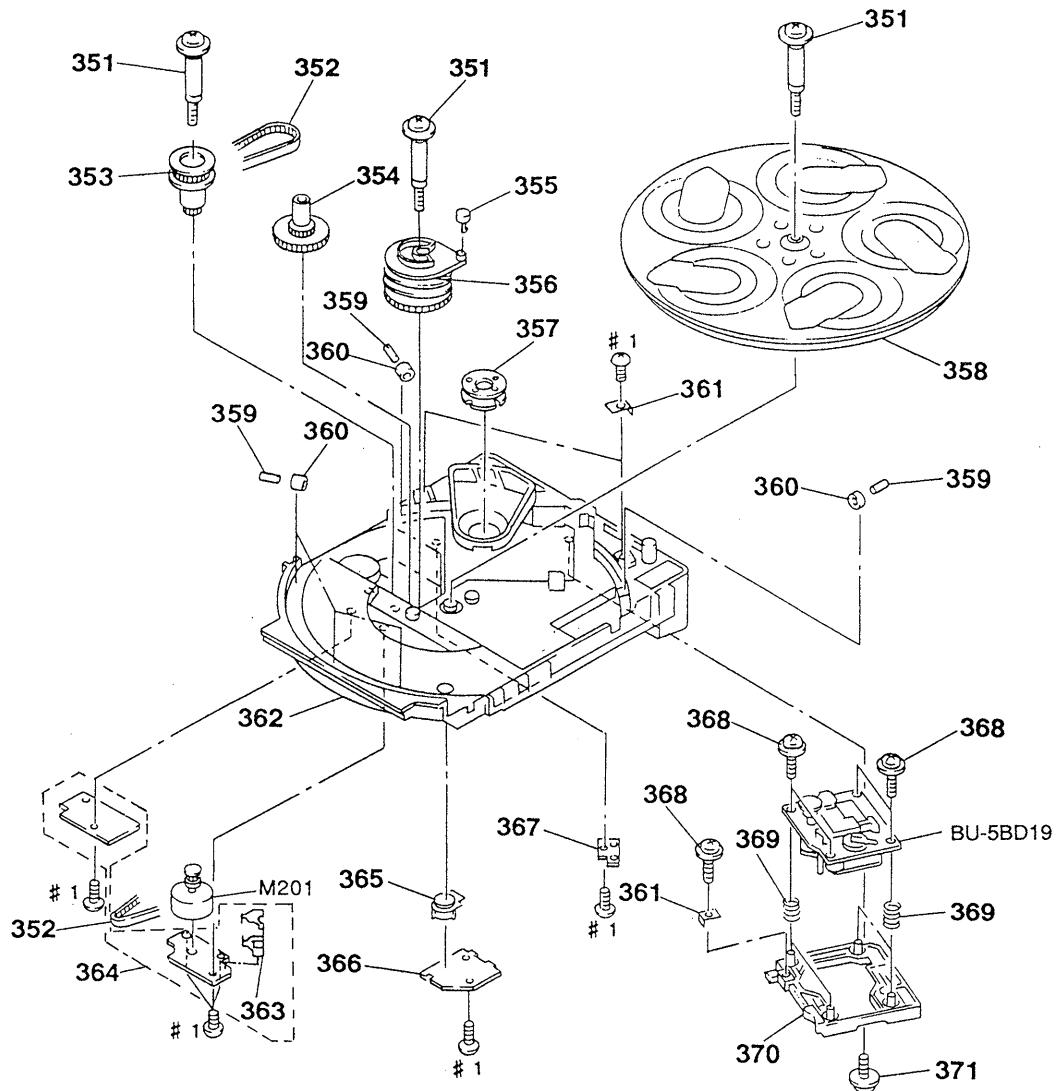
## 6-7. TC MECHANISM SECTION 3 (TCM-220WR2E)

■ A: MOTOR board (Supplied with MD board.)



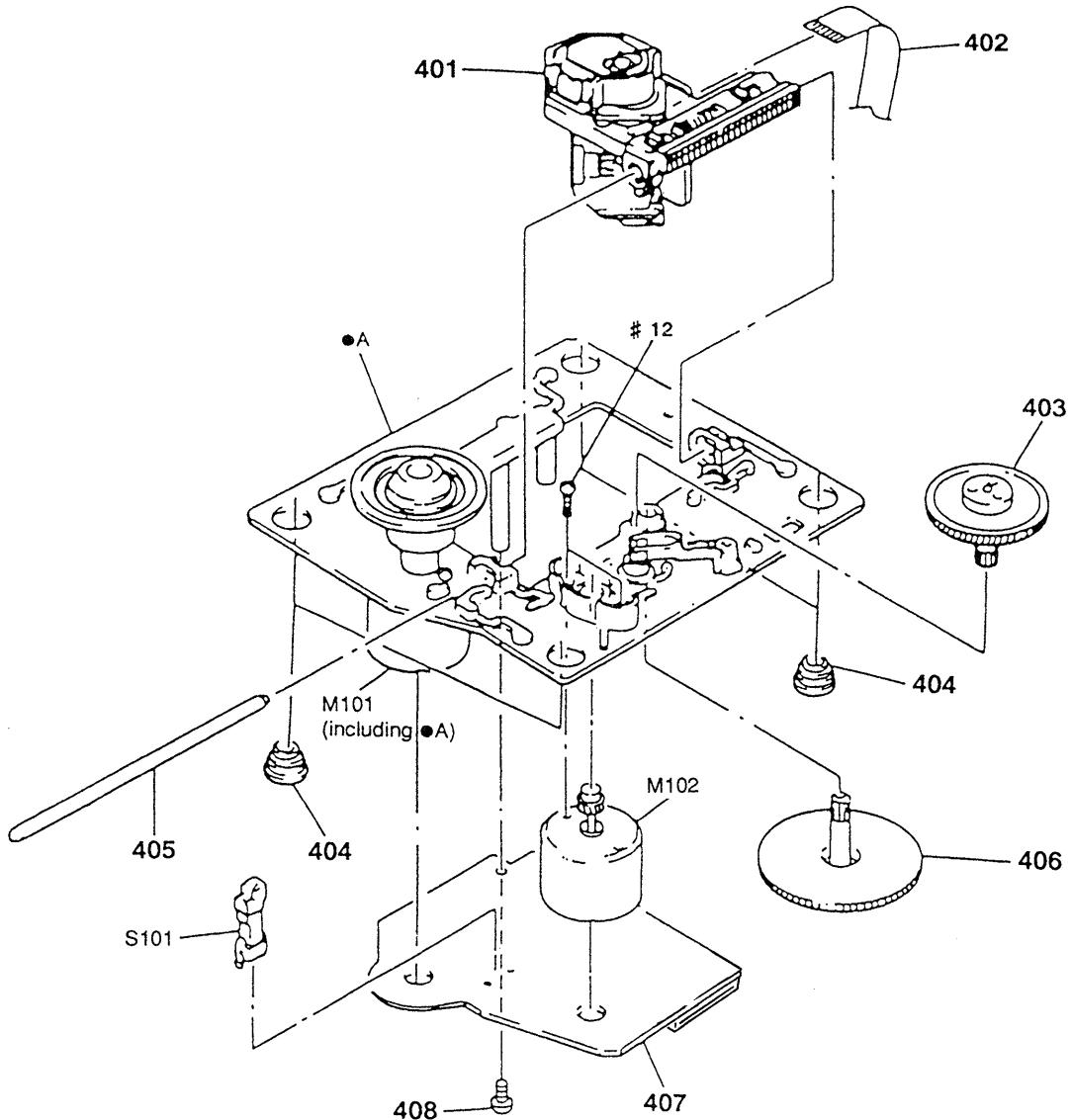
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
301	3-908-597-01	CAM (A)		315	3-908-600-01	LEVER (REV-B)	
302	3-908-608-11	SCREW, STEP		* 316	1-650-669-11	LEAF SWITCH BOARD	
303	X-3367-590-2	ARM (A) ASSY, FR		317	3-908-598-01	CAM (B)	
304	X-3370-169-1	FLYWHEEL (AR) ASSY		318	X-3369-849-2	ARM (B) ASSY, FR	
305	3-928-047-01	PULLEY, TENSION		319	3-914-111-01	SPRING (FR), TORSION	
306	3-908-599-01	LEVER (REV-A)		320	3-908-604-01	LEVER (TRIGGER B)	
307	3-908-601-01	SPRING (REV LEVER), TORSION		321	3-911-115-01	WASHER, STOPPER	
308	3-908-603-01	LEVER (TRIGGER A)		322	3-917-176-11	BELT (B)	
309	X-3370-170-1	FLYWHEEL (BF) ASSY		323	X-3370-172-1	FLYWHEEL (AF) ASSY	
310	3-908-605-01	SPRING (TRIGGER), TORSION		324	X-3371-441-1	CHASSIS ASSY, MECHANICAL	
311	3-908-609-01	GEAR, TRIGGER		* 325	A-2007-435-A	MD BOARD, COMPLETE	
312	3-913-845-11	BELT (A)		M1	X-3371-223-1	MOTOR ASSY (CAPSTAN)	
313	3-913-846-11	BELT (FR)		M2	A-2004-410-A	MOTOR ASSY (TRIGGER)	
314	X-3370-171-1	FLYWHEEL (BR) ASSY					

## 6-8. CD MECHANISM SECTION (CDM37-5BD19)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
351	4-978-423-01	SCREW, STEP		* 362	4-978-418-01	CHASSIS	
352	4-944-490-01	BELT (TIMING)		* 363	4-980-385-01	HOLDER (SW)	
353	A-4660-978-A	GEAR (PULLEY) ASSY		* 364	A-4673-765-A	CD MOTOR BOARD, COMPLETE	
354	4-978-421-01	GEAR (MID)		365	4-978-426-01	INDICATOR (NO.)	
355	4-978-425-01	ROLLER (CAM)		* 366	1-659-059-12	LED BOARD	
356	4-978-420-01	CAM (HOLDER)		* 367	1-659-058-12	TABLE SENSOR BOARD	
* 357	1-452-538-11	MAGNET		368	4-933-134-01	SCREW (+FTPWH M2.6X6)	
358	4-978-417-01	TABLE, DISC		369	4-958-593-01	SPRING (BU), COMPRESSION	
359	4-934-376-01	SHAFT (ROLLER)		* 370	4-978-419-01	HOLDER (BU-5)	
360	X-4924-457-1	ROLLER ASSY		371	4-917-583-71	BRACKET, YOKE	
* 361	4-978-583-01	BRACKET (BU)		M201	A-4660-977-A	MOTOR ASSY (TABLE)	

## 6-9. BASE UNIT SECTION (BU-5BD19)



The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety.  
Replace only with part number  
specified.

Les composants identifiés par une marque  sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
△401	8-848-387-01	OPTICAL PICK-UP KSS-213BA/S-N		* 407	A-4673-402-A	BD BOARD, COMPLETE	
402	1-769-069-11	WIRE (FLAT TYPE) (16 CORE)		408	4-951-620-01	SCREW (2.6X8), +BVTP	
403	4-917-567-01	GEAR (M)		M101	X-4917-523-4	MOTOR ASSY (SPINDLE)	
404	4-951-940-01	INSULATOR (BU)		M102	X-4917-504-1	MOTOR ASSY (SLED)	
405	4-917-565-01	SHAFT, SLED		S101	1-572-085-11	SWITCH, LEAF (LIMIT)	
406	4-917-564-01	GEAR (P), FLATNESS					

# SECTION 7

## ELECTRICAL PARTS LIST

## NOTE:

The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une marque  $\triangle$  sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS  
All resistors are in ohms  
METAL: Metal-film resistor  
METAL OXIDE: Metal Oxide-film resistor  
F: nonflammable
- CAPACITORS  
uF:  $\mu$ F
- COILS  
uH:  $\mu$ H

## • SEMICONDUCTORS

In each case, u:  $\mu$ , for example:  
uA...:  $\mu$ A..., uPA...:  $\mu$ PA..., uPB...:  $\mu$ PB...,  
uPC...:  $\mu$ PC..., uPD...:  $\mu$ PD...

## • Abbreviation

CND	: Canadian model
G	: German model
IT	: Italian model
EE	: East European model
EA	: Saudi Arabia model
MX	: Mexican model
SP	: Singapore model
MY	: Malaysia model
AUS	: Australian model
AR	: Argentine model
TH	: Thailand model
IA	: Indonesian model

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
*	A-4673-402-A	BD BOARD, COMPLETE	*****			C139	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
						C140	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
						C141	1-163-038-91	CERAMIC CHIP	0.1uF		25V
			< CAPACITOR >			C142	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C100	1-124-472-11	ELECT	470uF	20%	10V	C145	1-135-201-11	TANTALUM CHIP	10uF	20%	4V
C101	1-126-607-11	ELECT CHIP	47uF	20%	4V	C146	1-135-201-11	TANTALUM CHIP	10uF	20%	4V
C102	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V	C147	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C103	1-164-346-11	CERAMIC CHIP	1uF		16V	C148	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C105	1-163-038-91	CERAMIC CHIP	0.1uF		25V	C149	1-164-346-11	CERAMIC CHIP	1uF		16V
C106	1-164-695-11	CERAMIC CHIP	0.0022uF	5%	50V	C153	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C107	1-164-695-11	CERAMIC CHIP	0.0022uF	5%	50V	C154	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C108	1-164-232-11	CERAMIC CHIP	0.01uF		50V			< CONNECTOR >			
C109	1-164-232-11	CERAMIC CHIP	0.01uF		50V	CNU101	1-770-014-11	CONNECTOR, FFC/FPC 16P			
C110	1-163-989-11	CERAMIC CHIP	0.033uF	10%	25V	CNU102	1-770-013-11	CONNECTOR, FFC/FPC 19P			
C111	1-163-038-91	CERAMIC CHIP	0.1uF		25V			< IC >			
C112	1-163-038-91	CERAMIC CHIP	0.1uF		25V	IC101	8-752-069-56	IC	CXA1782BQ		
C113	1-164-695-11	CERAMIC CHIP	0.0022uF	5%	50V	IC102	8-759-291-06	IC	BA6397FP		
C114	1-164-005-11	CERAMIC CHIP	0.47uF		25V	IC103	8-752-372-94	IC	CXD2507AQ		
C115	1-126-607-11	ELECT CHIP	47uF	20%	4V	IC104	8-759-185-29	IC	PCM1710U-B		
C116	1-163-016-00	CERAMIC CHIP	0.0039uF	10%	50V			< MOTOR >			
C117	1-164-005-11	CERAMIC CHIP	0.47uF		25V	M101	X-4917-523-4	MOTOR ASSY (SPINDLE)			
C118	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V	M102	X-4917-504-1	MOTOR ASSY (SLED)			
C119	1-163-038-91	CERAMIC CHIP	0.1uF		25V			< TRANSISTOR >			
C120	1-135-201-11	TANTALUM CHIP	10uF	20%	4V	Q101	8-729-010-08	TRANSISTOR	MSB710-R		
C121	1-163-038-91	CERAMIC CHIP	0.1uF		25V	Q102	8-729-424-08	TRANSISTOR	UN2111		
C122	1-164-232-11	CERAMIC CHIP	0.01uF		50V	Q103	8-729-421-22	TRANSISTOR	UN2211		
C123	1-163-038-91	CERAMIC CHIP	0.1uF		25V			< RESISTOR >			
C124	1-126-607-11	ELECT CHIP	47uF	20%	4V	R102	1-216-001-00	METAL CHIP	10	5%	1/10W
C125	1-164-232-11	CERAMIC CHIP	0.01uF		50V	R103	1-216-049-91	METAL GLAZE	1K	5%	1/10W
C126	1-163-038-91	CERAMIC CHIP	0.1uF		25V	R104	1-216-097-91	METAL GLAZE	100K	5%	1/10W
C127	1-164-695-11	CERAMIC CHIP	0.0022uF	5%	50V	R105	1-216-093-00	METAL CHIP	68K	5%	1/10W
C128	1-163-135-00	CERAMIC CHIP	560PF	5%	50V	R106	1-216-093-00	METAL CHIP	68K	5%	1/10W
C129	1-163-038-91	CERAMIC CHIP	0.1uF		25V	R107	1-216-093-00	METAL CHIP	68K	5%	1/10W
C130	1-164-336-11	CERAMIC CHIP	0.33uF		25V	R108	1-216-093-00	METAL CHIP	68K	5%	1/10W
C131	1-163-038-91	CERAMIC CHIP	0.1uF		25V	R109	1-216-097-91	METAL GLAZE	100K	5%	1/10W
C132	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V	R110	1-216-083-00	METAL CHIP	27K	5%	1/10W
C133	1-163-145-00	CERAMIC CHIP	0.0015uF	5%	50V						
C134	1-164-346-11	CERAMIC CHIP	1uF		16V						
C135	1-163-251-11	CERAMIC CHIP	100PF	5%	50V						
C136	1-164-005-11	CERAMIC CHIP	0.47uF		25V						
C137	1-164-232-11	CERAMIC CHIP	0.01uF		50V						

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R113	1-216-083-00	METAL CHIP	27K	5%	1/10W	RV102	1-241-396-11	RES, ADJ, METAL GLAZE	22K		
R114	1-216-101-00	METAL CHIP	150K	5%	1/10W	RV103	1-241-396-11	RES, ADJ, METAL GLAZE	22K	< SWITCH >	
R115	1-216-101-00	METAL CHIP	150K	5%	1/10W	S101	1-572-085-11	SWITCH, LEAF (LIMIT)			
R116	1-216-061-00	METAL CHIP	3. 3K	5%	1/10W					< VIBRATOR >	
R117	1-216-069-00	METAL CHIP	6. 8K	5%	1/10W						
R118	1-216-049-91	METAL GLAZE	1K	5%	1/10W						
R119	1-216-089-91	METAL GLAZE	47K	5%	1/10W	X101	1-579-280-11	VIBRATOR, CRYSTAL	(16.9344MHz)		
R120	1-216-089-91	METAL GLAZE	47K	5%	1/10W						
R121	1-216-114-00	METAL GLAZE	510K	5%	1/10W						*****
R122	1-216-097-91	METAL GLAZE	100K	5%	1/10W						
R123	1-216-099-00	METAL CHIP	120K	5%	1/10W	*	1-659-404-11	CD (L) BOARD			*****
R124	1-216-091-00	METAL CHIP	56K	5%	1/10W						
R125	1-216-069-00	METAL CHIP	6. 8K	5%	1/10W					< CONNECTOR >	
R126	1-216-063-91	METAL GLAZE	3. 9K	5%	1/10W						
R127	1-216-089-91	METAL GLAZE	47K	5%	1/10W	*	CN515	1-568-944-11	PIN, CONNECTOR	6P	
R128	1-216-105-91	METAL GLAZE	220K	5%	1/10W					< DIODE >	
R129	1-216-049-91	METAL GLAZE	1K	5%	1/10W						
R130	1-216-079-00	METAL CHIP	18K	5%	1/10W	D638	8-719-057-09	DIODE	LNJ801LPDJA (CLIP C)		
R131	1-216-079-00	METAL CHIP	18K	5%	1/10W	D639	8-719-057-09	DIODE	LNJ801LPDJA (CLIP B)		
R132	1-216-061-00	METAL CHIP	3. 3K	5%	1/10W	D640	8-719-057-09	DIODE	LNJ801LPDJA (CLIP A)		
R133	1-216-061-00	METAL CHIP	3. 3K	5%	1/10W					< RESISTOR >	
R134	1-216-065-00	METAL CHIP	4. 7K	5%	1/10W	R568	1-247-815-91	CARBON		220	5% 1/4W
R135	1-216-065-00	METAL CHIP	4. 7K	5%	1/10W	R569	1-249-411-11	CARBON		330	5% 1/4W
R136	1-216-073-00	METAL CHIP	10K	5%	1/10W	R570	1-249-413-11	CARBON		470	5% 1/4W
R137	1-216-065-00	METAL CHIP	4. 7K	5%	1/10W	R571	1-249-415-11	CARBON		680	5% 1/4W
R138	1-216-049-91	METAL GLAZE	1K	5%	1/10W	R572	1-249-417-11	CARBON		1K	5% 1/4W
R139	1-216-033-00	METAL CHIP	220	5%	1/10W	R573	1-249-419-11	CARBON		1. 5K	5% 1/4W
R140	1-216-081-00	METAL CHIP	22K	5%	1/10W	R574	1-249-421-11	CARBON		2. 2K	5% 1/4W
R141	1-216-061-00	METAL CHIP	3. 3K	5%	1/10W	R575	1-249-423-11	CARBON		3. 3K	5% 1/4W
R142	1-216-061-00	METAL CHIP	3. 3K	5%	1/10W	R576	1-249-427-11	CARBON		6. 8K	5% 1/4W
R143	1-216-121-91	METAL GLAZE	1M	5%	1/10W	R577	1-249-431-11	CARBON		15K	5% 1/4W
R144	1-216-073-00	METAL CHIP	10K	5%	1/10W					< SWITCH >	
R145	1-216-097-91	METAL GLAZE	100K	5%	1/10W	S569	1-554-303-21	SWITCH, TACTILE	(CLIP C)		
R146	1-216-097-91	METAL GLAZE	100K	5%	1/10W	S570	1-554-303-21	SWITCH, TACTILE	(CLIP B)		
R147	1-216-049-91	METAL GLAZE	1K	5%	1/10W	S571	1-554-303-21	SWITCH, TACTILE	(CLIP A)		
R148	1-216-049-91	METAL GLAZE	1K	5%	1/10W	S572	1-554-303-21	SWITCH, TACTILE	(ERASE MUSIC CLIP)		
R149	1-216-049-91	METAL GLAZE	1K	5%	1/10W	S573	1-554-303-21	SWITCH, TACTILE	(PLAY MUSIC CLIP)		
R150	1-216-037-00	METAL CHIP	330	5%	1/10W	S574	1-554-303-21	SWITCH, TACTILE	(DISC 1 DISC SELECT)		
R151	1-216-037-00	METAL CHIP	330	5%	1/10W	S575	1-554-303-21	SWITCH, TACTILE	(DISC 2 DISC SELECT)		
R152	1-216-037-00	METAL CHIP	330	5%	1/10W	S576	1-554-303-21	SWITCH, TACTILE	(DISC 3 DISC SELECT)		
R153	1-216-082-00	METAL GLAZE	24K	5%	1/10W	S577	1-554-303-21	SWITCH, TACTILE	(DISC 4 DISC SELECT)		
R154	1-216-065-00	METAL CHIP	4. 7K	5%	1/10W	S578	1-554-303-21	SWITCH, TACTILE	(DISC 5 DISC SELECT)		
R156	1-216-085-00	METAL CHIP	33K	5%	1/10W						
R157	1-216-069-00	METAL CHIP	6. 8K	5%	1/10W						
R158	1-216-001-00	METAL CHIP	10	5%	1/10W						
< VARIABLE RESISTOR >											
RV101	1-241-396-11	RES, ADJ, METAL GLAZE	22K								

**CD (R)****CD JOG****CD LED****CD MOTOR**

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
*	1-659-409-11	CD (R) BOARD	*****	S560	1-554-303-21	SWITCH, TACTILE (REPEAT)	
		*****		S561	1-554-303-21	SWITCH, TACTILE (SHUFFLE)	
		< CONNECTOR >		S562	1-554-303-21	SWITCH, TACTILE (CONTINUE)	
		*****				*****	
CN514	1-568-936-11	PIN, CONNECTOR 9P		*	1-659-406-11	CD LED BOARD	*****
		< DIODE >				< CONNECTOR >	
D603	8-719-058-03	DIODE	SEL5423E-TPI15 (>)	CN516	1-506-481-11	PIN, CONNECTOR 2P	
D604	8-719-058-03	DIODE	SEL5423E-TPI15 (>)			< DIODE >	
D636	8-719-058-17	DIODE	LNJ401NPYJA (II)				
D637	8-719-057-09	DIODE	LNJ801LPDJA (AUTO PLAY)				
		< RESISTOR >					
R553	1-249-411-11	CARBON	330 5% 1/4W	D3151	8-719-057-40	DIODE	HLMF-K305-2UL (5CD)
R554	1-249-413-11	CARBON	470 5% 1/4W F	D3152	8-719-058-19	DIODE	HLMF-K405-2UL (5CD)
R555	1-249-415-11	CARBON	680 5% 1/4W F	D3153	8-719-058-19	DIODE	HLMF-K405-2UL (5CD)
R556	1-249-417-11	CARBON	1K 5% 1/4W F	D3154	8-719-057-40	DIODE	HLMF-K305-2UL (5CD)
R557	1-249-419-11	CARBON	1.5K 5% 1/4W F			< RESISTOR >	
R678	1-247-815-91	CARBON	220 5% 1/4W	R3151	1-249-412-11	CARBON	390 5% 1/4W F
R680	1-247-815-91	CARBON	220 5% 1/4W			*****	
		< SWITCH >					
S554	1-554-303-21	SWITCH, TACTILE (>)		*	A-4673-765-A	CD MOTOR BOARD, COMPLETE	*****
S555	1-554-303-21	SWITCH, TACTILE (II)					
S556	1-554-303-21	SWITCH, TACTILE (II)		*	4-980-385-01	HOLDER (SW)	
S557	1-554-303-21	SWITCH, TACTILE (DISC SKIP)				< CAPACITOR >	
S558	1-554-303-21	SWITCH, TACTILE (AUTO PLAY)					
		*****		C201	1-124-907-11	ELECT	10uF 20% 50V
*	1-659-405-11	CD JOG BOARD	*****	C202	1-162-306-11	CERAMIC	0.01uF 30% 16V
				C203	1-124-907-11	ELECT	10uF 20% 50V
		< CAPACITOR >					
C515	1-162-306-11	CERAMIC	0.01uF 30% 16V			< CONNECTOR >	
C516	1-162-306-11	CERAMIC	0.01uF 30% 16V				
		< CONNECTOR >		*	CN201	1-568-947-11	PIN, CONNECTOR 9P
						< IC >	
* CN518	1-568-942-11	PIN, CONNECTOR 4P					
		< RESISTOR >		IC201	8-759-365-94	IC	TA8409S
		< COIL >		L201	1-408-117-00	INDUCTOR	10uH
R558	1-249-421-11	CARBON	2.2K 5% 1/4W F			< MOTOR >	
R559	1-249-423-11	CARBON	3.3K 5% 1/4W F				
R560	1-249-427-11	CARBON	6.8K 5% 1/4W F	M201	A-4660-977-A	MOTOR ASSY (TABLE)	
R561	1-249-431-11	CARBON	15K 5% 1/4W				
		< SWITCH >				< RESISTOR >	
S502	1-473-534-11	ENCODER, ROTARY (II<< AMS >>)		R205	1-249-427-11	CARBON	6.8K 5% 1/4W F
S559	1-554-303-21	SWITCH, TACTILE (PROGRAM)		R206	1-249-425-11	CARBON	4.7K 5% 1/4W F

**CD MOTOR** **DOOR SW** **HP** **KEY CON**

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark	
		< SWITCH >				C1470	1-162-294-31 CERAMIC	0.001uF	10%	50V		
S201	1-762-587-11	SWITCH, PUSH (1 KEY) (UP)				C1471	1-162-294-31 CERAMIC	0.001uF	10%	50V		
		*****				C1472	1-162-294-31 CERAMIC	0.001uF	10%	50V		
		< CONNECTOR >						*****				
*	1-659-408-11	DOOR SW BOARD	*****				CN1401	1-566-999-11 PIN, CONNECTOR 13P				
		< SWITCH >						< IC >				
S591	1-572-126-11	SWITCH, PUSH (1 KEY) (▲ OPEN)	*****				IC1401	8-759-370-85 IC	M65847FP-TP			
		*****					IC1403	8-759-140-53 IC	uPD4053BC			
		< COIL >						< TRANSISTOR >				
*	1-659-411-11	HP BOARD	*****				Q1401	8-729-900-80 TRANSISTOR	DTC114ES			
		< CAPACITOR >					Q1403	8-729-119-78 TRANSISTOR	2SC403SP-51			
C621	1-164-159-21	CERAMIC	0.1uF	50V				< RESISTOR >				
C622	1-164-159-21	CERAMIC	0.1uF	50V			R1413	1-247-863-91 CARBON	22K	5%	1/4W	
C623	1-164-159-21	CERAMIC	0.1uF	50V			R1414	1-247-863-91 CARBON	22K	5%	1/4W	
		< JACK >					R1415	1-249-441-11 CARBON	100K	5%	1/4W	
J601	1-569-113-11	JACK, LARGE TYPE	*****				R1416	1-249-441-11 CARBON	100K	5%	1/4W	
		*****					R1417	1-249-429-11 CARBON	10K	5%	1/4W	
*	A-4389-020-A	KEY CON BOARD, COMPLETE (N355K)	*****				R1418	1-249-425-11 CARBON	4.7K	5%	1/4W	F
		< CAPACITOR >					R1419	1-249-425-11 CARBON	4.7K	5%	1/4W	F
C1403	1-126-964-11	ELECT	10uF	20%	50V		R1421	1-249-417-11 CARBON	1K	5%	1/4W	F
C1404	1-126-964-11	ELECT	10uF	20%	50V		R1422	1-249-429-11 CARBON	10K	5%	1/4W	
C1405	1-126-964-11	ELECT	10uF	20%	50V		R1435	1-247-807-31 CARBON	100	5%	1/4W	
C1406	1-126-964-11	ELECT	10uF	20%	50V		R1436	1-249-429-11 CARBON	10K	5%	1/4W	
C1431	1-130-493-00	MYLAR	0.068uF	5%	50V		R1437	1-249-425-11 CARBON	4.7K	5%	1/4W	F
C1432	1-130-493-00	MYLAR	0.068uF	5%	50V		R1438	1-247-807-31 CARBON	100	5%	1/4W	
C1433	1-130-493-00	MYLAR	0.068uF	5%	50V		R1448	1-249-429-11 CARBON	10K	5%	1/4W	
C1434	1-162-284-31	CERAMIC	150PF	10%	50V		R1450	1-249-441-11 CARBON	100K	5%	1/4W	
C1436	1-126-967-11	ELECT	47uF	20%	10V		R1451	1-249-429-11 CARBON	10K	5%	1/4W	
C1437	1-164-159-21	CERAMIC	0.1uF		50V		R1452	1-249-425-11 CARBON	4.7K	5%	1/4W	F
C1438	1-126-933-11	ELECT	100uF	20%	10V		R1453	1-249-429-11 CARBON	10K	5%	1/4W	
C1439	1-126-964-11	ELECT	10uF	20%	50V		R1457	1-249-424-11 CARBON	3.9K	5%	1/4W	F
C1445	1-136-165-00	FILM	0.1uF	5%	50V		R1458	1-249-431-11 CARBON	15K	5%	1/4W	
C1446	1-136-165-00	FILM	0.1uF	5%	50V		R1459	1-249-429-11 CARBON	10K	5%	1/4W	
C1448	1-126-964-11	ELECT	10uF	20%	50V		R1460	1-247-863-91 CARBON	22K	5%	1/4W	
C1461	1-162-294-31	CERAMIC	0.001uF	10%	50V		R1461	1-249-434-11 CARBON	27K	5%	1/4W	
C1462	1-162-306-11	CERAMIC	0.01uF	20%	16V		R1469	1-249-426-11 CARBON	5.6K	5%	1/4W	
C1466	1-162-600-11	CERAMIC	0.0047uF	20%	16V			*****				
C1467	1-162-291-31	CERAMIC	560PF	10%	50V							
C1468	1-162-290-31	CERAMIC	470PF	10%	50V							
C1469	1-162-294-31	CERAMIC	0.001uF	10%	50V							

**LEAF SWITCH** | **LED** | **MAIN**

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark		
*	1-650-669-11	LEAF SWITCH BOARD	*****			*	A-4378-981-A	MAIN BOARD, COMPLETE	*****			(N355:AEP, UK, G, IT, EE)	
		< CONNECTOR >				*	A-4378-993-A	MAIN BOARD, COMPLETE	*****			(N355:E, MX, AR, AUS, PX)	
* CN1001	1-568-854-11	SOCKET, CONNECTOR 11P				*	A-4389-002-A	MAIN BOARD, COMPLETE	(N355K:E, SP, IA)			*****	
Q1001	8-749-010-90	TRANSISTOR PHOTO REFLECTOR NJL5165KA-H2				*	A-4389-666-A	MAIN BOARD, COMPLETE (D570)	*****			*****	
Q1002	8-749-010-90	TRANSISTOR PHOTO REFLECTOR NJL5165KA-H2				*	A-4390-150-A	MAIN BOARD, COMPLETE (N355K:MY)	*****			*****	
		< RESISTOR >				*	A-4390-158-A	MAIN BOARD, COMPLETE (N355K:EA)	*****			*****	
R1001	1-249-412-11	CARBON	390	5%	1/4W	F	*	A-4390-207-A	MAIN BOARD, COMPLETE (N355K:TH)	*****			*****
R1002	1-249-412-11	CARBON	390	5%	1/4W	F							
R1003	1-249-414-11	CARBON	560	5%	1/4W	F							
R1004	1-247-834-11	CARBON	1.3K	5%	1/4W								
R1005	1-247-818-11	CARBON	300	5%	1/4W								
		< SWITCH >											
S1001	1-692-832-11	SWITCH, PUSH (1 KEY) (A PLAY)											
S1002	1-692-832-11	SWITCH, PUSH (1 KEY) (B PLAY)											
S1003	1-572-248-11	SWITCH, LEAF (A HALF)											
S1004	1-571-281-21	SWITCH, LEAF (A CrO2)											
S1005	1-571-281-21	SWITCH, LEAF (REC A)											
S1006	1-572-248-11	SWITCH, LEAF (B HALF)											
S1008	1-571-281-21	SWITCH, LEAF (B CrO2)											
S1009	1-571-281-21	SWITCH, LEAF (REC B)											
*	1-659-059-12	LED BOARD	*****										
		< DIODE >											
D201	8-719-032-98	DIODE	SEL5820A	(DISC No.)									
		< TRANSISTOR >											
Q201	8-729-119-78	TRANSISTOR	2SC2785-HFE										
		< RESISTOR >											
R201	1-247-863-91	CARBON	22K	5%	1/4W								
R202	1-249-411-11	CARBON	330	5%	1/4W								
R203	1-249-437-11	CARBON	47K	5%	1/4W								
C201	1-126-961-11	ELECT	2. 2uF			20%	50V						
C202	1-162-600-11	CERAMIC	0.0047uF			30%	16V						
C203	1-124-472-11	ELECT	470uF			20%	10V						
C204	1-162-282-31	CERAMIC	100PF			10%	50V						
C205	1-162-282-31	CERAMIC	100PF			10%	50V						
C209	1-126-941-11	ELECT	470uF			20%	6. 3V						
C213	1-164-159-21	CERAMIC	0.1uF			50V						(D570:US)	
C251	1-126-961-11	ELECT	2. 2uF			20%	50V						
C252	1-162-600-11	CERAMIC	0.0047uF			30%	16V						
C301	1-130-479-00	MYLAR	0.0047uF			5%	50V						
C302	1-162-290-31	CERAMIC	470PF			10%	50V						
C303	1-136-165-00	FILM	0.1uF			5%	50V						
												(D570/N355:AEP, UK, G, IT, EE)	
C305	1-124-903-11	ELECT	1uF			20%	50V						
C306	1-124-902-00	ELECT	0.47uF			20%	50V						
C307	1-126-964-11	ELECT	10uF			20%	50V						
C308	1-126-964-11	ELECT	10uF			20%	50V						
C309	1-124-903-11	ELECT	1uF			20%	50V						
C310	1-126-933-11	ELECT	100uF			20%	10V						
C351	1-130-479-00	MYLAR	0.0047uF			5%	50V						
C352	1-162-290-31	CERAMIC	470PF			10%	50V						
C353	1-136-165-00	FILM	0.1uF			5%	50V						
												(D570/N355:AEP, UK, G, IT, EE)	
C355	1-124-903-11	ELECT	1uF			20%	50V						
C356	1-124-902-00	ELECT	0.47uF			20%	50V						
C357	1-126-964-11	ELECT	10uF			20%	50V						
C358	1-126-964-11	ELECT	10uF			20%	50V						

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C359	1-124-903-11	ELECT	1uF	20%	50V	C907	1-130-480-00	MYLAR	0.0056uF	5%	50V
C360	1-126-933-11	ELECT	100uF	20%	10V	C908	1-130-479-00	MYLAR	0.0047uF	5%	50V
C401	1-164-159-21	CERAMIC	0.1uF		50V	C909	1-130-474-00	MYLAR	0.0018uF	5%	50V
C402	1-164-159-21	CERAMIC	0.1uF		50V	C910	1-126-964-11	ELECT	10uF	20%	50V
C403	1-164-159-21	CERAMIC	0.1uF		50V	C911	1-126-964-11	ELECT	10uF	20%	50V
C404	1-126-933-11	ELECT	100uF	20%	16V	C912	1-136-169-00	FILM	0.22uF	5%	50V
C405	1-126-925-11	ELECT	470uF	20%	16V	C913	1-136-169-00	FILM	0.22uF	5%	50V
C701	1-162-306-11	CERAMIC	0.01uF	30%	16V	C914	1-126-964-11	ELECT	10uF	20%	50V
C702	1-126-926-11	ELECT	1000uF	20%	10V	C915	1-136-153-00	FILM	0.01uF	5%	50V
C703	1-126-964-11	ELECT	10uF	20%	50V	C930	1-136-165-00	FILM	0.1uF	5%	50V
C704	1-136-165-00	FILM	0.1uF	5%	50V	C931	1-136-153-00	FILM	0.01uF	5%	50V
C705	1-136-165-00	FILM	0.1uF	5%	50V	C933	1-124-902-00	ELECT	0.47uF	20%	50V
C706	1-126-965-11	ELECT	22uF	20%	50V	C935	1-164-159-21	CERAMIC	0.1uF		50V
C707	1-162-205-31	CERAMIC	18PF	5%	50V	C936	1-126-964-11	ELECT	10uF	20%	50V
C708	1-162-205-31	CERAMIC	18PF	5%	50V	C938	1-162-290-31	CERAMIC	470PF	10%	50V
C709	1-164-159-21	CERAMIC	0.1uF		50V	C939	1-126-967-11	ELECT	47uF	20%	10V
			(N355:E, MX, AR, AUS, PX/N355K)			C940	1-126-967-11	ELECT	47uF	20%	10V
C710	1-162-306-11	CERAMIC	0.01uF	30%	16V	C951	1-136-169-00	FILM	0.22uF	5%	50V
C789	1-126-923-11	ELECT	220uF	20%	10V	C952	1-136-169-00	FILM	0.22uF	5%	50V
C801	1-162-288-31	CERAMIC	330PF	10%	50V	C953	1-136-495-11	FILM	0.068uF	5%	50V
			(N355:AEP, UK, G, IT, EE)			C954	1-136-495-11	FILM	0.068uF	5%	50V
C802	1-164-159-21	CERAMIC	0.1uF		50V	C955	1-136-156-00	FILM	0.018uF	5%	50V
C803	1-162-282-31	CERAMIC	100PF	10%	50V	C956	1-136-156-00	FILM	0.018uF	5%	50V
C804	1-162-282-31	CERAMIC	100PF	10%	50V	C957	1-130-480-00	MYLAR	0.0056uF	5%	50V
C805	1-126-962-11	ELECT	3.3uF	20%	50V	C958	1-130-479-00	MYLAR	0.0047uF	5%	50V
C806	1-162-600-11	CERAMIC	0.0047uF	30%	16V	C959	1-130-474-00	MYLAR	0.0018uF	5%	50V
C807	1-162-301-11	CERAMIC	0.0015uF	30%	16V	C960	1-126-964-11	ELECT	10uF	20%	50V
C808	1-124-463-00	ELECT	0.1uF	20%	50V	C961	1-126-964-11	ELECT	10uF	20%	50V
C809	1-126-967-11	ELECT	47uF	20%	10V	C962	1-136-169-00	FILM	0.22uF	5%	50V
			(N355:AEP, UK, G, IT, EE)			C963	1-136-169-00	FILM	0.22uF	5%	50V
C810	1-162-306-11	CERAMIC	0.01uF	30%	16V	C964	1-126-964-11	ELECT	10uF	20%	50V
C811	1-162-306-11	CERAMIC	0.01uF	30%	16V	C965	1-136-153-00	FILM	0.01uF	5%	50V
C821	1-162-286-21	CERAMIC	220PF	10%	50V	C1001	1-126-937-11	ELECT	4700uF	20%	16V
C825	1-109-889-11	ELECT	1uF	20%	50V	C1002	1-126-768-11	ELECT	2200uF	20%	16V
C851	1-162-288-31	CERAMIC	330PF	10%	50V	C1003	1-126-964-11	ELECT	10uF	20%	50V
			(N355:AEP, UK, G, IT, EE)			C1005	1-126-964-11	ELECT	10uF	20%	50V
C853	1-162-282-31	CERAMIC	100PF	10%	50V	C1006	1-126-933-11	ELECT	100uF	20%	10V
C854	1-162-282-31	CERAMIC	100PF	10%	50V	C1007	1-126-934-11	ELECT	220uF	20%	16V
C855	1-126-962-11	ELECT	3.3uF	20%	50V	C1008	1-126-933-11	ELECT	100uF	20%	16V
C856	1-162-600-11	CERAMIC	0.0047uF	30%	16V	C1010	1-164-159-21	CERAMIC	0.1uF		50V
C857	1-162-301-11	CERAMIC	0.0015uF	30%	16V	C1011	1-164-159-21	CERAMIC	0.1uF		50V
C858	1-124-463-00	ELECT	0.1uF	20%	50V	C1012	1-126-964-11	ELECT	10uF	20%	50V
C859	1-126-967-11	ELECT	47uF	20%	10V	C1013	1-126-916-11	ELECT	1000uF	20%	6.3V
			(N355:AEP, UK, G, IT, EE)			C1014	1-126-964-11	ELECT	10uF	20%	50V
C871	1-162-286-21	CERAMIC	220PF	10%	50V	C1015	1-126-964-11	ELECT	10uF	20%	50V
C901	1-136-169-00	FILM	0.22uF	5%	50V	C1016	1-126-925-11	ELECT	470uF	20%	10V
C902	1-136-169-00	FILM	0.22uF	5%	50V	C1017	1-126-925-11	ELECT	470uF	20%	10V
C903	1-136-495-11	FILM	0.068uF	5%	50V	C1018	1-126-942-61	ELECT	1000uF	20%	25V
C904	1-136-495-11	FILM	0.068uF	5%	50V	C1019	1-126-934-11	ELECT	220uF	20%	16V
C905	1-136-156-00	FILM	0.018uF	5%	50V	C1020	1-126-947-11	ELECT	47uF	20%	35V
C906	1-136-156-00	FILM	0.018uF	5%	50V						

# MAIN

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C1021	1-126-964-11	ELECT	10uF	20%	50V	CN801	1-573-845-11	CONNECTOR, BOARD TO BOARD 13P	(N355K)		
C1022	1-126-968-11	ELECT	100uF	20%	50V	* CN1001	1-564-513-11	PLUG, CONNECTOR 10P			
C1023	1-126-968-11	ELECT	100uF	20%	50V	CN1311	1-564-505-11	PLUG, CONNECTOR 2P	(D570)		
C1025	1-126-925-11	ELECT	470uF	20%	10V	< DIODE >					
C1026	1-126-925-11	ELECT	470uF	20%	10V	D201	8-719-987-63	DIODE	1N4148M		
C1221	1-126-933-11	ELECT	100uF	20%	10V	D202	8-719-987-63	DIODE	1N4148M		
C1222	1-126-933-11	ELECT	100uF	20%	10V	D401	8-719-933-54	DIODE	H2S9A2L		
C1223	1-126-923-11	ELECT	220uF	20%	10V	D701	8-719-987-63	DIODE	1N4148M		
C1224	1-124-925-11	ELECT	2.2uF	20%	100V	D702	8-719-987-63	DIODE	1N4148M		
C1227	1-164-159-21	CERAMIC	0.1uF		50V	D703	8-719-987-63	DIODE	1N4148M		
C1228	1-164-159-21	CERAMIC	0.1uF		50V	D704	8-719-987-63	DIODE	1N4148M		
C1230	1-126-974-11	ELECT	3300uF	20%	50V	D705	8-719-987-63	DIODE	1N4148M		
					(N355/N355K)	D706	8-719-200-82	DIODE	11ES2		
C1230	1-128-493-11	ELECT	4700uF	20%	71V (D570)	D707	8-719-987-63	DIODE	1N4148M		
C1235	1-128-493-11	ELECT	4700uF	20%	71V (D570)	D708	8-719-987-63	DIODE	1N4148M		
C1248	1-136-495-11	FILM	0.068uF	5%	50V	D721	8-719-987-63	DIODE	1N4148M		
					(N355:AEP, UK, G, IT, EE)	D722	8-719-987-63	DIODE	1N4148M		
C1249	1-136-495-11	FILM	0.068uF	5%	50V	D1001	8-719-200-82	DIODE	11ES2		
					(N355:AEP, UK, G, IT, EE)	D1002	8-719-200-82	DIODE	11ES2		
C1250	1-162-294-31	CERAMIC	0.001uF	10%	50V	D1003	8-719-200-82	DIODE	11ES2		
					(N355:AEP, UK, G, IT, EE)	D1004	8-719-200-82	DIODE	11ES2		
C1270	1-130-781-00	FILM	0.22uF	10%	100V	D1005	8-719-200-82	DIODE	11ES2		
C1280	1-162-282-31	CERAMIC	100PF	10%	50V	D1006	8-719-200-82	DIODE	11ES2		
					(N355:AEP, UK, G, IT, EE)	D1007	8-719-987-63	DIODE	1N4148M		
C1271	1-130-781-00	FILM	0.22uF	10%	100V	D1008	8-719-001-43	DIODE	UZL-11M1-TA		
C1280	1-162-282-31	CERAMIC	100PF	10%	50V	D1009	8-719-987-63	DIODE	1N4148M		
					(N355:AEP, UK, G, IT, EE)	D1010	8-719-987-63	DIODE	1N4148M		
C1298	1-136-495-11	FILM	0.068uF	5%	50V	D1011	8-719-010-43	DIODE	UZ-5.6BSC		
					(N355:AEP, UK, G, IT, EE)	D1013	8-719-200-82	DIODE	11ES2		
C1299	1-136-495-11	FILM	0.068uF	5%	50V	D1014	8-719-200-82	DIODE	11ES2		
					(N355:AEP, UK, G, IT, EE)	D1016	8-719-200-82	DIODE	11ES2		
C1300	1-162-294-31	CERAMIC	0.001uF	10%	50V	D1017	8-719-200-82	DIODE	11ES2		
					(N355:AEP, UK, G, IT, EE)	D1018	8-719-200-82	DIODE	11ES2		
C1311	1-162-306-11	CERAMIC	0.01uF	20%	16V (D570)	D1019	8-719-987-63	DIODE	1N4148M		
C1312	1-126-163-11	ELECT	4.7uF	20%	50V (D570)	< CONNECTOR >					
R945	1-164-159-21	CERAMIC	0.1uF		50V	D1021	8-719-200-82	DIODE	11ES2		
< CONNECTOR >						D1022	8-719-200-82	DIODE	11ES2		
CN201	1-770-067-11	CONNECTOR, FFC/FPC 19P				D1023	8-719-011-13	DIODE	UZ-30BSC		
* CN203	1-568-936-11	PIN, CONNECTOR 9P				D1059	8-719-987-63	DIODE	1N4148M		
CN401	1-568-838-11	SOCKET, CONNECTOR 21P				D1069	8-719-987-63	DIODE	1N4148M		
* CN402	1-568-830-11	SOCKET, CONNECTOR 11P				D1204	8-719-815-85	DIODE	1S1585 (D570)		
* CN403	1-568-449-11	HOUSING, CONNECTOR(PC BOARD)3P				D1204	8-719-987-63	DIODE	1N4148M (N355/N355K)		
CN702	1-568-802-11	SOCKET, CONNECTOR 19P				D1205	8-719-815-85	DIODE	1S1585 (D570)		
						D1205	8-719-987-63	DIODE	1N4148M (N355/N355K)		
CN702	1-568-838-11	SOCKET, CONNECTOR 21P				D1230	8-719-987-63	DIODE	1N4148M		
						D1240	8-719-510-68	DIODE	D5SBA20F01		
* CN702	1-568-841-11	SOCKET, CONNECTOR 25P				D1309	8-719-815-85	DIODE	1S1585 (D570)		
* CN703	1-568-832-11	SOCKET, CONNECTOR 13P				D1309	8-719-987-63	DIODE	1N4148M (N355/N355K)		
						D1310	8-719-815-85	DIODE	1S1585 (D570)		
* CN703	1-568-834-11	SOCKET, CONNECTOR 15P				D1310	8-719-987-63	DIODE	1N4148M (N355/N355K)		

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark				
D1321	8-719-815-85	DIODE 1S1585 (D570)		Q1001	8-729-118-01	TRANSISTOR 2SB1116-K					
D1371	8-719-815-85	DIODE 1S1585 (D570)		Q1002	8-729-900-36	TRANSISTOR DTC124ES					
< IC >											
IC401	8-759-289-38	IC HA12195NT (D570/N355:AEP, UK, G, IT, EE)		Q1003	8-729-030-18	TRANSISTOR 2SD2525					
IC401	8-759-289-39	IC HA12196NT (N355:E, MX, AR, AUS, PX/N355K)		Q1003	8-729-209-15	TRANSISTOR 2SD2012					
IC402	8-759-822-09	IC LB1641		Q1006	8-729-141-83	TRANSISTOR 2SB1094-LK					
IC701	8-759-392-42	IC TMP87CS64YF-6397		Q1204	8-729-900-63	TRANSISTOR DTA124ES					
IC702	8-759-165-80	IC PST600C-T		Q1205	8-729-900-36	TRANSISTOR DTC124ES					
IC801	8-759-634-51	IC M5218AP		Q1206	8-729-900-80	TRANSISTOR DTC114ES					
IC802	8-759-000-48	IC MC14052BCP		Q1207	8-729-119-76	TRANSISTOR 2SA1175-HFE (N355/N355K)					
IC901	8-759-331-39	IC M62427FP		Q1207	8-729-140-82	TRANSISTOR 2SA988-PAFAEA (D570)					
IC902	8-759-634-51	IC M5218AP		Q1208	8-729-119-76	TRANSISTOR 2SA1175-HFE (N355)					
IC1001	8-759-231-53	IC TA7805S		Q1208	8-729-140-82	TRANSISTOR 2SA988-PAFAEA (D570)					
IC1002	8-759-604-86	IC M5F7807L		Q1311	8-729-119-76	TRANSISTOR 2SA1175-HFE (D570)					
IC1003	8-759-604-86	IC M5F7807L		Q1312	8-729-116-84	TRANSISTOR 2SD1616-U (D570)					
IC1004	8-759-604-90	IC M5F7907L		< RESISTOR >							
IC1202	8-759-111-68	IC uPC1237HA		R201	1-249-415-11	CARBON 680 5% 1/4W F					
< JACK >				R202	1-249-435-11	CARBON 33K 5% 1/4W					
J801	1-695-188-31	JACK, PIN 4P (PHONO IN, VIDEO(AUDIO) IN)		R203	1-249-425-11	CARBON 4.7K 5% 1/4W F					
< COIL >				R206	1-249-425-11	CARBON 4.7K 5% 1/4W F					
L214	1-412-473-21	INDUCTOR (D570:US)		R207	1-249-425-11	CARBON 4.7K 5% 1/4W F					
L1201	1-420-872-00	COIL, AIR-CORE		R208	1-249-425-11	CARBON 4.7K 5% 1/4W F					
L1251	1-420-872-00	COIL, AIR-CORE		R251	1-249-415-11	CARBON 680 5% 1/4W F					
< TRANSISTOR >				R252	1-249-435-11	CARBON 33K 5% 1/4W					
Q301	8-729-119-78	TRANSISTOR 2SC403SP-51		R301	1-249-430-11	CARBON 12K 5% 1/4W					
Q351	8-729-119-78	TRANSISTOR 2SC403SP-51		R302	1-249-431-11	CARBON 15K 5% 1/4W					
Q401	8-729-119-78	TRANSISTOR 2SC403SP-51		R303	1-249-432-11	CARBON 18K 5% 1/4W (D570/N355:AEP, UK, G, IT, EE)					
Q402	8-729-900-65	TRANSISTOR DTA144ES		R304	1-249-428-11	CARBON 8.2K 5% 1/4W F					
Q403	8-729-801-93	TRANSISTOR 2SD1387		R305	1-249-425-11	CARBON 4.7K 5% 1/4W F					
Q406	8-729-900-80	TRANSISTOR DTC114ES		R306	1-247-840-00	CARBON 2.4K 5% 1/4W					
Q407	8-729-422-57	TRANSISTOR UN4111		R307	1-247-863-91	CARBON 22K 5% 1/4W					
Q408	8-729-119-76	TRANSISTOR 2SA1175-HFE		R308	1-249-421-11	CARBON 2.2K 5% 1/4W F					
Q409	8-729-900-80	TRANSISTOR DTC114ES		R309	1-249-428-11	CARBON 8.2K 5% 1/4W F					
Q410	8-729-900-65	TRANSISTOR DTA144ES		R310	1-249-417-11	CARBON 1K 5% 1/4W F					
Q411	8-729-900-65	TRANSISTOR DTA144ES		R351	1-249-430-11	CARBON 12K 5% 1/4W					
Q412	8-729-900-65	TRANSISTOR DTA144ES		R352	1-249-431-11	CARBON 15K 5% 1/4W					
Q701	8-729-119-78	TRANSISTOR 2SC403SP-51		R354	1-249-428-11	CARBON 8.2K 5% 1/4W F					
Q820	8-729-422-57	TRANSISTOR UN4111		R355	1-249-425-11	CARBON 4.7K 5% 1/4W F					
Q823	8-729-422-57	TRANSISTOR UN4111		R356	1-247-840-00	CARBON 2.4K 5% 1/4W					
Q901	8-729-119-78	TRANSISTOR 2SC403SP-51		R357	1-247-863-91	CARBON 22K 5% 1/4W					
Q902	8-729-119-78	TRANSISTOR 2SC403SP-51		R358	1-249-421-11	CARBON 2.2K 5% 1/4W F					
Q951	8-729-119-78	TRANSISTOR 2SC403SP-51		R359	1-249-428-11	CARBON 8.2K 5% 1/4W F					
Q952	8-729-119-78	TRANSISTOR 2SC403SP-51		R360	1-249-417-11	CARBON 1K 5% 1/4W F					
Q953	8-729-141-26	TRANSISTOR 2SC3622A-LK		R401	1-249-425-11	CARBON 4.7K 5% 1/4W F					
Q954	8-729-141-26	TRANSISTOR 2SC3622A-LK		R402	1-249-425-11	CARBON 4.7K 5% 1/4W F					
				R403	1-249-425-11	CARBON 4.7K 5% 1/4W F					
				R404	1-249-417-11	CARBON 1K 5% 1/4W F					
				R405	1-249-437-11	CARBON 47K 5% 1/4W					
				R406	1-249-437-11	CARBON 47K 5% 1/4W					
				R407	1-249-437-11	CARBON 47K 5% 1/4W					

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R408	1-249-437-11	CARBON	47K	5%	1/4W	R732	1-247-807-31	CARBON	100	5%	1/4W
R409	1-249-429-11	CARBON	10K	5%	1/4W	R733	1-247-807-31	CARBON	100	5%	1/4W
R410	1-247-882-11	CARBON	130K	5%	1/4W	R734	1-247-807-31	CARBON	100	5%	1/4W
R411	1-247-866-11	CARBON	30K	5%	1/4W	R735	1-247-807-31	CARBON	100	5%	1/4W
R412	1-249-429-11	CARBON	10K	5%	1/4W	R736	1-247-807-31	CARBON	100	5%	1/4W
			(D570/N355:AEP, UK, G, IT, EE)			R737	1-247-807-31	CARBON	100	5%	1/4W
R413	1-247-864-11	CARBON	24K	5%	1/4W	R740	1-249-423-11	CARBON	3.3K	5%	1/4W F
			(N355:E, MX, AR, AUS, PX/N355K:E, MY, SP, TH, IA)			R740	1-249-427-11	CARBON	6.8K	5%	1/4W F
R414	1-249-429-11	CARBON	10K	5%	1/4W				(N355:G, IT/N355K:EA)		
R415	1-249-429-11	CARBON	10K	5%	1/4W	R740	1-249-429-11	CARBON	10K	5%	1/4W
R416	1-249-429-11	CARBON	10K	5%	1/4W				(N355:AEP, UK)		
R417	1-249-429-11	CARBON	10K	5%	1/4W	R740	1-249-435-11	CARBON	33K	5%	1/4W (N355:EE)
R418	1-249-429-11	CARBON	10K	5%	1/4W	R741	1-249-423-11	CARBON	3.3K	5%	1/4W F
			(N355:AEP, UK, G, IT)			R741	1-249-429-11	CARBON	10K	5%	1/4W
R419	1-249-429-11	CARBON	10K	5%	1/4W				(N355:MX, AR, AUS, PX, EE/N355K:E, MY, SP, TH, IA)		
R420	1-249-429-11	CARBON	10K	5%	1/4W	R741	1-249-435-11	CARBON	33K	5%	1/4W (N355K:EA)
			(D570/N355:AEP, UK, G, IT, EE)			R743	1-247-807-31	CARBON	100	5%	1/4W
R421	1-249-429-11	CARBON	10K	5%	1/4W	R744	1-247-807-31	CARBON	100	5%	1/4W
			(D570/N355:AEP, UK, G, IT, EE)			R745	1-247-807-31	CARBON	100	5%	1/4W
R454	1-247-863-91	CARBON	22K	5%	1/4W	R746	1-249-429-11	CARBON	10K	5%	1/4W
R455	1-247-863-91	CARBON	22K	5%	1/4W	R747	1-249-429-11	CARBON	10K	5%	1/4W
			(D570/N355:AEP, UK, G, IT, EE)			R748	1-249-429-11	CARBON	10K	5%	1/4W
R456	1-249-411-11	CARBON	330	5%	1/4W	R749	1-249-429-11	CARBON	10K	5%	1/4W
R457	1-249-427-11	CARBON	6.8K	5%	1/4W F	R750	1-247-807-31	CARBON	100	5%	1/4W
R458	1-249-429-11	CARBON	10K	5%	1/4W	R751	1-247-807-31	CARBON	100	5%	1/4W
R461	1-249-417-11	CARBON	1K	5%	1/4W F	R752	1-247-807-31	CARBON	100	5%	1/4W
R701	1-249-429-11	CARBON	10K	5%	1/4W	R753	1-247-807-31	CARBON	100	5%	1/4W
R702	1-249-437-11	CARBON	47K	5%	1/4W	R754	1-247-807-31	CARBON	100	5%	1/4W
R703	1-249-437-11	CARBON	47K	5%	1/4W	R755	1-247-807-31	CARBON	100	5%	1/4W
R704	1-249-429-11	CARBON	10K	5%	1/4W	R756	1-249-429-11	CARBON	10K	5%	1/4W
R705	1-249-429-11	CARBON	10K	5%	1/4W	R757	1-247-807-31	CARBON	100	5%	1/4W
R708	1-249-429-11	CARBON	10K	5%	1/4W	R758	1-247-807-31	CARBON	100	5%	1/4W
R709	1-249-429-11	CARBON	10K	5%	1/4W	R759	1-247-807-31	CARBON	100	5%	1/4W
R710	1-249-429-11	CARBON	10K	5%	1/4W	R760	1-247-807-31	CARBON	100	5%	1/4W
R711	1-249-429-11	CARBON	10K	5%	1/4W	R761	1-247-807-31	CARBON	100	5%	1/4W
R712	1-249-429-11	CARBON	10K	5%	1/4W	R762	1-249-429-11	CARBON	10K	5%	1/4W
R713	1-249-429-11	CARBON	10K	5%	1/4W	R763	1-249-429-11	CARBON	10K	5%	1/4W
R714	1-249-429-11	CARBON	10K	5%	1/4W	R764	1-249-429-11	CARBON	10K	5%	1/4W
R715	1-249-429-11	CARBON	10K	5%	1/4W	R801	1-249-417-11	CARBON	1K	5%	1/4W F
R716	1-247-807-31	CARBON	100	5%	1/4W				(N355:AEP, UK, G, IT, EE)		
R717	1-247-807-31	CARBON	100	5%	1/4W	R802	1-249-417-11	CARBON	1K	5%	1/4W F
R718	1-247-807-31	CARBON	100	5%	1/4W	R803	1-249-437-11	CARBON	47K	5%	1/4W
R719	1-247-807-31	CARBON	100	5%	1/4W	R804	1-249-417-11	CARBON	1K	5%	1/4W F
R720	1-247-807-31	CARBON	100	5%	1/4W	R805	1-247-897-11	CARBON	560K	5%	1/4W
R721	1-247-807-31	CARBON	100	5%	1/4W	R806	1-249-437-11	CARBON	47K	5%	1/4W
R724	1-247-807-31	CARBON	100	5%	1/4W	R807	1-249-417-11	CARBON	1K	5%	1/4W F
R725	1-247-807-31	CARBON	100	5%	1/4W	R808	1-249-441-11	CARBON	100K	5%	1/4W
R726	1-247-807-31	CARBON	100	5%	1/4W	R809	1-247-815-91	CARBON	220	5%	1/4W
R727	1-247-807-31	CARBON	100	5%	1/4W				(N355:AEP, UK, G, IT, EE)		
R728	1-247-807-31	CARBON	100	5%	1/4W						
R729	1-247-807-31	CARBON	100	5%	1/4W						
R730	1-247-807-31	CARBON	100	5%	1/4W						
R731	1-247-807-31	CARBON	100	5%	1/4W						

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R821	1-249-417-11	CARBON	1K 5% 1/4W F	R956	1-247-895-91	CARBON	470K 5% 1/4W
R822	1-249-441-11	CARBON	100K 5% 1/4W	R957	1-249-437-11	CARBON	47K 5% 1/4W
R825	1-247-887-00	CARBON	220K 5% 1/4W	R958	1-249-429-11	CARBON	10K 5% 1/4W
R826	1-249-441-11	CARBON	100K 5% 1/4W	R959	1-249-411-11	CARBON	330 5% 1/4W
R829	1-249-421-11	CARBON	2. 2K 5% 1/4W F	R960	1-249-429-11	CARBON	10K 5% 1/4W
R830	1-249-429-11	CARBON	10K 5% 1/4W	R961	1-249-421-11	CARBON	2. 2K 5% 1/4W F
R851	1-249-417-11	CARBON	1K 5% 1/4W F (N355: AEP, UK, G, IT, EE)	R962	1-249-441-11	CARBON	100K 5% 1/4W
R852	1-249-417-11	CARBON	1K 5% 1/4W F	R963	1-249-429-11	CARBON	10K 5% 1/4W
R853	1-249-437-11	CARBON	47K 5% 1/4W	R964	1-249-437-11	CARBON	47K 5% 1/4W
R854	1-249-417-11	CARBON	1K 5% 1/4W F	R965	1-249-441-11	CARBON	100K 5% 1/4W
R855	1-247-897-11	CARBON	560K 5% 1/4W	R966	1-249-441-11	CARBON	100K 5% 1/4W
R856	1-249-437-11	CARBON	47K 5% 1/4W	R967	1-247-903-00	CARBON	1M 5% 1/4W (N355K: MY)
R857	1-249-417-11	CARBON	1K 5% 1/4W F	R968	1-249-429-11	CARBON	10K 5% 1/4W
R858	1-249-441-11	CARBON	100K 5% 1/4W	R970	1-247-903-00	CARBON	1M 5% 1/4W
R859	1-247-815-91	CARBON	220 5% 1/4W (N355: AEP, UK, G, IT, EE)	R1001	1-249-421-11	CARBON	2. 2K 5% 1/4W F
R871	1-249-417-11	CARBON	1K 5% 1/4W F	R1002	1-247-815-91	CARBON	220 5% 1/4W
R872	1-249-441-11	CARBON	100K 5% 1/4W	R1003	1-249-417-11	CARBON	1K 5% 1/4W F
R901	1-249-425-11	CARBON	4. 7K 5% 1/4W F	R1007	1-249-417-11	CARBON	1K 5% 1/4W F
R902	1-249-425-11	CARBON	4. 7K 5% 1/4W F	R1020	1-247-815-91	CARBON	220 5% 1/4W
R903	1-249-437-11	CARBON	47K 5% 1/4W	R1021	1-247-815-91	CARBON	220 5% 1/4W
R905	1-249-441-11	CARBON	100K 5% 1/4W	R1022	1-249-421-11	CARBON	2. 2K 5% 1/4W F
R906	1-247-895-91	CARBON	470K 5% 1/4W	R1023	1-249-417-11	CARBON	1K 5% 1/4W F
R907	1-249-437-11	CARBON	47K 5% 1/4W	R1220	1-249-389-11	CARBON	4. 7 5% 1/4W F
R908	1-249-429-11	CARBON	10K 5% 1/4W	R1221	1-249-389-11	CARBON	4. 7 5% 1/4W F
R909	1-249-411-11	CARBON	330 5% 1/4W	R1222	1-247-815-91	CARBON	220 5% 1/4W (N355K)
R910	1-249-429-11	CARBON	10K 5% 1/4W	R1222	1-260-091-11	CARBON	220 5% 1/2W (N355)
R911	1-249-421-11	CARBON	2. 2K 5% 1/4W F	R1222	1-260-093-11	CARBON	330 5% 1/2W (D570)
R912	1-249-441-11	CARBON	100K 5% 1/4W	△R1226	1-215-917-11	METAL OXIDE	1K 5% 3W F (D570:US)
R913	1-249-429-11	CARBON	10K 5% 1/4W	△R1226	1-216-456-00	METAL OXIDE	820 5% 2W F (N355/N355K)
R914	1-249-437-11	CARBON	47K 5% 1/4W	△R1226	1-215-891-11	METAL OXIDE	680 5% 2W F (D570:CND)
R915	1-249-441-11	CARBON	100K 5% 1/4W	R1233	1-247-854-11	CARBON	9. 1K 5% 1/4W (D570)
R916	1-249-441-11	CARBON	100K 5% 1/4W	R1233	1-249-425-11	CARBON	4. 7K 5% 1/4W F (N355/N355K)
R917	1-247-903-00	CARBON	1M 5% 1/4W	R1234	1-247-854-11	CARBON	9. 1K 5% 1/4W (D570)
R918	1-249-429-11	CARBON	10K 5% 1/4W	R1234	1-249-425-11	CARBON	4. 7K 5% 1/4W F (N355/N355K)
R920	1-249-441-11	CARBON	100K 5% 1/4W	R1235	1-249-435-11	CARBON	33K 5% 1/4W (N355/N355K)
R930	1-249-429-11	CARBON	10K 5% 1/4W	R1235	1-249-437-11	CARBON	47K 5% 1/4W (D570)
R931	1-249-429-11	CARBON	10K 5% 1/4W	R1236	1-249-441-11	CARBON	100K 5% 1/4W
R932	1-249-429-11	CARBON	10K 5% 1/4W	R1237	1-249-429-11	CARBON	10K 5% 1/4W
R933	1-247-887-00	CARBON	220K 5% 1/4W	R1238	1-249-419-11	CARBON	1. 5K 5% 1/4W F
R935	1-249-437-11	CARBON	47K 5% 1/4W	R1240	1-249-438-11	CARBON	56K 5% 1/4W
R938	1-247-807-31	CARBON	100 5% 1/4W	R1241	1-247-791-91	CARBON	22 5% 1/4W
R940	1-249-429-11	CARBON	10K 5% 1/4W				
R941	1-249-429-11	CARBON	10K 5% 1/4W				
R942	1-249-429-11	CARBON	10K 5% 1/4W				
R951	1-249-425-11	CARBON	4. 7K 5% 1/4W F (D570/N355)				
R952	1-249-425-11	CARBON	4. 7K 5% 1/4W F				
R953	1-249-437-11	CARBON	47K 5% 1/4W				
R955	1-249-441-11	CARBON	100K 5% 1/4W				

The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une marque  $\Delta$  sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
R1245	1-247-863-91	CARBON	22K 5% 1/4W (D570/N355/N355K:E, EA, SP, TH, IA)	X702	1-567-098-41	VIBRATOR, CRYSTAL (32kHz)	
R1248	1-249-389-11	CARBON	4.7 5% 1/4W F (N355:AEP, UK, G, IT, EE)				*****
R1249	1-249-389-11	CARBON	4.7 5% 1/4W F (N355:AEP, UK, G, IT, EE)	*	A-2007-435-A	MD BOARD, COMPLETE *****	
R1250	1-249-429-11	CARBON	10K 5% 1/4W				(including MOTOR board)
R1264	1-249-429-11	CARBON	10K 5% 1/4W				MOTOR BOARD
R1265	1-249-429-11	CARBON	10K 5% 1/4W				< CAPACITOR >
R1266	1-249-429-11	CARBON	10K 5% 1/4W				
R1267	1-249-429-11	CARBON	10K 5% 1/4W	C301	1-162-289-31	CERAMIC	390PF 10% 50V
R1270	1-249-389-11	CARBON	4.7 5% 1/4W F	C302	1-126-968-11	ELECT	100uF 20% 6.3V
R1271	1-249-389-11	CARBON	4.7 5% 1/4W F	C303	1-162-282-31	CERAMIC	100PF 10% 50V
R1272	1-247-815-91	CARBON	220 5% 1/4W (N355K)	C304	1-130-483-00	MYLAR	0.01uF 5% 50V
R1272	1-260-091-11	CARBON	220 5% 1/2W (N355)	C305	1-107-715-11	ELECT	22uF 20% 16V
R1272	1-260-093-11	CARBON	330 5% 1/2W (D570)	C311	1-162-289-31	CERAMIC	390PF 10% 50V
R1273	1-247-815-91	CARBON	220 5% 1/4W (N355K)	C313	1-162-282-31	CERAMIC	100PF 10% 50V
R1273	1-260-091-11	CARBON	220 5% 1/2W (N355)	C314	1-130-487-00	MYLAR	0.022uF 5% 50V
R1273	1-260-093-11	CARBON	330 5% 1/2W (D570)	C315	1-126-233-11	ELECT	22uF 20% 50V
R1290	1-249-437-11	CARBON	47K 5% 1/4W	C331	1-137-427-11	FILM	120PF 5% 50V
R1295	1-247-863-91	CARBON	22K 5% 1/4W	C332	1-162-288-31	CERAMIC	330PF 10% 50V
R1298	1-249-389-11	CARBON	4.7 5% 1/4W F (N355:AEP, UK, G, IT, EE)	C333	1-162-209-31	CERAMIC	27PF 5% 50V
R1299	1-249-389-11	CARBON	4.7 5% 1/4W F (N355:AEP, UK, G, IT, EE)	C401	1-162-289-31	CERAMIC	390PF 10% 50V
R1303	1-249-425-11	CARBON	4.7K 5% 1/4W F	C402	1-126-968-11	ELECT	100uF 20% 6.3V
R1304	1-249-425-11	CARBON	4.7K 5% 1/4W F	C403	1-162-282-31	CERAMIC	100PF 10% 50V
R1311	1-249-425-11	CARBON	4.7K 5% 1/4W F (D570)	C404	1-130-483-00	MYLAR	0.01uF 5% 50V
R1312	1-249-441-11	CARBON	100K 5% 1/4W (D570)	C405	1-107-715-11	ELECT	22uF 20% 16V
R1313	1-249-421-11	CARBON	2.2K 5% 1/4W F (D570)	C411	1-162-289-31	CERAMIC	390PF 10% 50V
R1321	1-249-431-11	CARBON	15K 5% 1/4W (D570)	C413	1-162-282-31	CERAMIC	100PF 10% 50V
R1371	1-249-431-11	CARBON	15K 5% 1/4W (D570)	C414	1-130-487-00	MYLAR	0.022uF 5% 50V
			< VARIABLE RESISTOR >	C415	1-126-233-11	ELECT	22uF 20% 50V
RV301	1-238-600-11	RES, ADJ, CARBON	10K	C431	1-137-427-11	FILM	120PF 5% 50V
RV351	1-238-600-11	RES, ADJ, CARBON	10K	C432	1-162-288-31	CERAMIC	330PF 10% 50V
			< RELAY >	C433	1-162-209-31	CERAMIC	27PF 5% 50V
RY1201	1-515-356-00	RELAY	(D570)	C601	1-126-157-11	ELECT	10uF 20% 16V
RY1201	1-515-920-11	RELAY	(24V) (N355/N355K)	C602	1-126-157-11	ELECT	10uF 20% 16V
			< TERMINAL >	C611	1-124-907-11	ELECT	10uF 20% 50V
TM1201	1-537-240-31	TERMINAL BOARD	(CHECKER PIN) (SPEAKER)	C612	1-124-907-11	ELECT	10uF 20% 50V
			(D570/N355:E, MX, AR, AUS, PX/N355K)	C621	1-137-150-11	FILM	0.01uF 5% 100V
TM1201	1-537-801-11	TERMINAL BOARD	(SPEAKER)	C622	1-126-961-11	ELECT	2.2uF 20% 50V
			(N355:AEP, UK, G, IT, EE)	C623	1-136-155-00	FILM	0.015uF 5% 50V
TM1202	1-537-240-31	TERMINAL BOARD	(CHECKER PIN)	C624	1-130-481-00	MYLAR	0.0068uF 5% 50V
			(SURROUND SPEAKER)	C625	1-130-481-00	MYLAR	0.0068uF 5% 50V
			< VIBRATOR >	C627	1-124-903-11	ELECT	1uF 20% 50V
X701	1-579-175-11	VIBRATOR, CERAMIC	(10MHz)	C628	1-136-153-00	FILM	0.01uF 5% 50V
				C642	1-104-664-11	ELECT	47uF 20% 16V
				C651	1-161-494-00	CERAMIC	0.022uF 25V
							< CONNECTOR >
							* CN601 1-568-864-11 SOCKET, CONNECTOR 21P

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark				
* CN602	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P		R623	1-249-432-11	CARBON	18K 5% 1/4W				
* CN651	1-564-521-11	PLUG, CONNECTOR 6P		R624	1-249-432-11	CARBON	18K 5% 1/4W				
< IC >											
IC601	8-759-710-59	IC NJM4580D-D		R625	1-249-429-11	CARBON	10K 5% 1/4W				
IC602	8-759-143-54	IC uPC1330HA		R651	1-247-856-00	CARBON	11K 5% 1/4W				
IC611	8-759-710-59	IC NJM4580D-D		R652	1-247-856-00	CARBON	11K 5% 1/4W				
< COIL >											
L331	1-410-780-11	INDUCTOR	27mH	RV301	1-238-598-11	RES, ADJ, CARBON 2.2K					
L431	1-410-780-11	INDUCTOR	27mH	RV311	1-238-598-11	RES, ADJ, CARBON 2.2K					
< MOTOR >											
M2	X-3369-111-1	MOTOR ASSY (TRIGGER)		RV341	1-238-551-11	RES, ADJ, CARBON 220K					
< TRANSISTOR >											
Q621	8-729-142-46	TRANSISTOR	2SC2001-LK	RV401	1-238-598-11	RES, ADJ, CARBON 2.2K					
Q622	8-729-142-46	TRANSISTOR	2SC2001-LK	RV411	1-238-598-11	RES, ADJ, CARBON 2.2K					
Q623	8-729-801-93	TRANSISTOR	2SD1387	< VARIABLE RESISTOR >							
Q651	8-729-900-65	TRANSISTOR	DTA144ES	RV441	1-238-551-11	RES, ADJ, CARBON 220K					
< RESISTOR >											
R301	1-247-881-00	CARBON	120K 5% 1/4W	RV651	1-238-599-11	RES, ADJ, CARBON 4.7K					
R302	1-249-409-11	CARBON	220 5% 1/4W F	RV652	1-238-599-11	RES, ADJ, CARBON 4.7K					
R303	1-249-433-11	CARBON	22K 5% 1/4W	< TRANSFORMER >							
R304	1-247-889-00	CARBON	270K 5% 1/4W	T621	1-423-980-11	TRANSFORMER, BIAS OSCILLATION					
R305	1-247-858-11	CARBON	13K 5% 1/4W	*****							
R311	1-247-881-00	CARBON	120K 5% 1/4W	* 1-659-414-11	MIC BOARD (N355:E, MX, AR, AUS, PX/N355K) *****						
R312	1-247-807-31	CARBON	100 5% 1/4W	< CAPACITOR >							
R314	1-247-882-11	CARBON	130K 5% 1/4W	C901	1-162-306-11	CERAMIC	0.01uF 30% 16V				
R315	1-247-850-11	CARBON	6. 2K 5% 1/4W	C903	1-162-294-31	CERAMIC	0.001uF 10% 50V				
R331	1-249-430-11	CARBON	12K 5% 1/4W	C904	1-124-257-00	ELECT	2.2uF 20% 50V				
R401	1-247-881-00	CARBON	120K 5% 1/4W	C905	1-162-215-31	CERAMIC	47PF 5% 50V				
R402	1-249-409-11	CARBON	220 5% 1/4W F	C906	1-162-290-31	CERAMIC	470PF 10% 50V				
R403	1-249-433-11	CARBON	22K 5% 1/4W	C907	1-136-160-00	FILM	0.039uF 5% 50V				
R404	1-247-889-00	CARBON	270K 5% 1/4W	C908	1-124-257-00	ELECT	2.2uF 20% 50V				
R405	1-247-858-11	CARBON	13K 5% 1/4W	C909	1-162-215-31	CERAMIC	47PF 5% 50V				
R411	1-247-881-00	CARBON	120K 5% 1/4W	C910	1-162-286-21	CERAMIC	220PF 10% 50V (N355:E, MX, AR, AUS, PX)				
R412	1-247-807-31	CARBON	100 5% 1/4W	C910	1-162-290-31	CERAMIC	470PF 10% 50V (N355K)				
R414	1-247-882-11	CARBON	130K 5% 1/4W	C911	1-126-963-11	ELECT	4.7uF 20% 50V				
R415	1-247-850-11	CARBON	6. 2K 5% 1/4W	C921	1-162-306-11	CERAMIC	0.01uF 30% 16V (N355K)				
R431	1-249-430-11	CARBON	12K 5% 1/4W	C931	1-126-157-11	ELECT	10uF 20% 50V				
R601	1-249-409-11	CARBON	220 5% 1/4W F	C931	1-126-964-11	ELECT	10uF 20% 50V (N355:E, MX, AR, AUS, PX)				
R602	1-249-409-11	CARBON	220 5% 1/4W F	C941	1-126-157-11	ELECT	10uF 20% 16V (N355K)				
R608	1-249-409-11	CARBON	220 5% 1/4W F	C941	1-126-964-11	ELECT	10uF 20% 50V (N355:E, MX, AR, AUS, PX)				
R609	1-249-433-11	CARBON	22K 5% 1/4W	C991	1-164-159-21	CERAMIC	0.1uF 50V (N355:E, MX, AR, AUS, PX/N355K)				
R611	1-249-409-11	CARBON	220 5% 1/4W F	< IC >							
R612	1-249-409-11	CARBON	220 5% 1/4W F	IC901	8-759-634-51	IC M5218AP					
△R621	1-212-851-00	FUSIBLE	5. 6 5% 1/4W F								
△R622	1-212-851-00	FUSIBLE	5. 6 5% 1/4W F								

The components identified by mark **△** or dotted line with mark **△** are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une marque **△** sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

## MIC | PANEL

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
		< JACK >				C506	1-124-584-11	ELECT	100uF	20%	10V
J901	1-573-151-11	JACK, LARGE TYPE (MIC)			(N355:E, MX, AR, AUS, PX)	C511	1-164-159-21	CERAMIC	0.1uF	50V	
J901	1-573-151-11	JACK, LARGE TYPE (MIC 1) (N355K)				C512	1-164-159-21	CERAMIC	0.1uF	50V	
J902	1-573-151-11	JACK, LARGE TYPE (MIC 2) (N355K)				C513	1-164-159-21	CERAMIC	0.1uF	50V	
		< RESISTOR >				C514	1-164-159-21	CERAMIC	0.1uF	50V	
R901	1-249-429-11	CARBON	10K	5%	1/4W	C515	1-126-793-11	ELECT	33uF	20%	35V
R902	1-249-417-11	CARBON	1K	5%	1/4W F	C518	1-126-157-11	ELECT	10uF	20%	16V
R903	1-249-441-11	CARBON	100K	5%	1/4W	C519	1-164-159-21	CERAMIC	0.1uF	50V	
R904	1-249-417-11	CARBON	1K	5%	1/4W F	C520	1-164-159-21	CERAMIC	0.1uF	50V	
R905	1-247-863-91	CARBON	22K	5%	1/4W	C521	1-164-159-21	CERAMIC	0.1uF	50V	
R906	1-247-840-00	CARBON	2.4K	5%	1/4W (N355K)	C522	1-164-159-21	CERAMIC	0.1uF	50V	
R906	1-249-421-11	CARBON	2.2K	5%	1/4W F	C523	1-126-177-11	ELECT	100uF	20%	10V
		(N355:E, MX, AR, AUS, PX)				C524	1-126-177-11	ELECT	100uF	20%	10V
R907	1-247-863-91	CARBON	22K	5%	1/4W (N355K)	C545	1-162-306-11	CERAMIC	0.01uF	30%	16V
R907	1-249-436-11	CARBON	39K	5%	1/4W	C546	1-162-306-11	CERAMIC	0.01uF	30%	16V
		(N355:E, MX, AR, AUS, PX)				C547	1-126-157-11	ELECT	10uF	20%	16V
R911	1-249-441-11	CARBON	100K	5%	1/4W (N355K)	C549	1-126-177-11	ELECT	100uF	20%	10V
R921	1-249-429-11	CARBON	10K	5%	1/4W (N355K)	C591	1-164-159-21	CERAMIC	0.1uF	50V	
R922	1-249-417-11	CARBON	1K	5%	1/4W F	C601	1-126-157-11	ELECT	10uF	20%	16V
		(N355K)				C832	1-130-473-00	MYLAR	0.0015uF	5%	50V
R931	1-247-887-00	CARBON	220K	5%	1/4W						(N355:E, MX, AR, AUS, PX/N355K)
		< VARIABLE RESISTOR >				C833	1-126-301-11	ELECT	1uF	20%	50V
RV901	1-223-983-11	RES, VAR, CARBON	50K								(N355:E, MX, AR, AUS, PX/N355K)
		*****				C834	1-130-479-00	MYLAR	0.0047uF	5%	50V
											(N355:E, MX, AR, AUS, PX/N355K)
		*****				C835	1-126-301-11	ELECT	1uF	20%	50V
											(N355:E, MX, AR, AUS, PX/N355K)
		*****				C836	1-136-495-11	FILM	0.068uF	5%	50V
											(N355:E, MX, AR, AUS, PX/N355K)
		*****				C837	1-126-786-11	ELECT	47uF	20%	16V
											(N355:E, MX, AR, AUS, PX/N355K)
*	A-4389-673-A	PANEL BOARD, COMPLETE				C838	1-136-165-00	FILM	0.1uF	5%	50V
		*****									(N355:E, MX, AR, AUS, PX/N355K)
						C839	1-136-165-00	FILM	0.1uF	5%	50V
*	A-4389-678-A	PANEL BOARD, COMPLETE									(N355:E, MX, AR, AUS, PX/N355K)
		*****				C840	1-162-305-11	CERAMIC	0.0068uF	30%	16V
											(N355:E, MX, AR, AUS, PX/N355K)
*	A-4390-148-A	PANEL BOARD, COMPLETE (N355K:MY)				C841	1-136-495-11	FILM	0.068uF	5%	50V
		*****									(N355:E, MX, AR, AUS, PX/N355K)
*	A-4390-155-A	PANEL BOARD, COMPLETE (N355K:E, EA, SP, IA)				C842	1-130-479-00	MYLAR	0.0047uF	5%	50V
		*****									(N355:E, MX, AR, AUS, PX/N355K)
*	A-4390-205-A	PANEL BOARD, COMPLETE (N355K:TH)				C843	1-130-473-00	MYLAR	0.0015uF	5%	50V
		*****									(N355:E, MX, AR, AUS, PX/N355K)
		4-971-014-11 HOLDER, FL TUBE				C844	1-126-786-11	ELECT	1uF	20%	50V
		< CAPACITOR >									(N355:E, MX, AR, AUS, PX/N355K)
C501	1-126-160-11	ELECT	1uF	20%	50V	C845	1-161-494-00	CERAMIC	0.022uF	25V	
C502	1-164-159-21	CERAMIC	0.1uF								(N355:E, MX, AR, AUS, PX/N355K)
C503	1-126-160-11	ELECT	1uF	20%	50V	C846	1-126-177-11	ELECT	100uF	20%	10V
C504	1-164-159-21	CERAMIC	0.1uF								(N355:E, MX, AR, AUS, PX/N355K)
C505	1-162-294-31	CERAMIC	0.001uF	10%	50V	C847	1-164-159-11	CERAMIC	0.1uF		
											(N355:E, MX, AR, AUS, PX/N355K)
		< CAPACITOR >				C848	1-162-290-31	CERAMIC	470PF	10%	50V
											(N355:E, MX, AR, AUS, PX/N355K)



# PANEL

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
< TRANSISTOR >							
Q601	8-729-422-57	TRANSISTOR	UN4111	R531	1-249-407-11	CARBON	150 5% 1/4W F
Q603	8-729-422-57	TRANSISTOR	UN4111	R532	1-249-407-11	CARBON	150 5% 1/4W F
Q605	8-729-422-57	TRANSISTOR	UN4111	R548	1-249-419-11	CARBON	1.5K 5% 1/4W F
Q611	8-729-119-76	TRANSISTOR	2SA1175-HFE	R549	1-247-807-31	CARBON	100 5% 1/4W
Q612	8-729-119-76	TRANSISTOR	2SA1175-HFE	R550	1-249-407-11	CARBON	150 5% 1/4W F
Q621	8-729-119-76	TRANSISTOR	2SA1175-HFE	R551	1-249-407-11	CARBON	150 5% 1/4W F
Q622	8-729-119-76	TRANSISTOR	2SA1175-HFE	R552	1-247-815-91	CARBON	220 5% 1/4W
Q623	8-729-119-76	TRANSISTOR	2SA1175-HFE	R553	1-249-429-11	CARBON	10K 5% 1/4W
Q624	8-729-119-76	TRANSISTOR	2SA1175-HFE	R554	1-249-441-11	CARBON	100K 5% 1/4W
Q625	8-729-119-76	TRANSISTOR	2SA1175-HFE	R564	1-249-419-11	CARBON	1.5K 5% 1/4W F
Q626	8-729-900-80	TRANSISTOR	DTC114ES (N355K)	R565	1-247-807-31	CARBON	100 5% 1/4W
Q629	8-729-119-76	TRANSISTOR	2SA1175-HFE	R566	1-249-407-11	CARBON	150 5% 1/4W F
Q630	8-729-119-76	TRANSISTOR	2SA1175-HFE	R567	1-249-407-11	CARBON	150 5% 1/4W F
Q631	8-729-119-76	TRANSISTOR	2SA1175-HFE	R586	1-247-815-91	CARBON	220 5% 1/4W
Q632	8-729-119-76	TRANSISTOR	2SA1175-HFE	R588	1-247-815-91	CARBON	220 5% 1/4W
Q633	8-729-119-76	TRANSISTOR	2SA1175-HFE	R591	1-249-403-11	CARBON	68 5% 1/4W F
Q634	8-729-119-76	TRANSISTOR	2SA1175-HFE	R592	1-249-401-11	CARBON	47 5% 1/4W F
Q635	8-729-900-80	TRANSISTOR	DTC114ES (N355K)	R593	1-249-403-11	CARBON	68 5% 1/4W F
Q636	8-729-119-78	TRANSISTOR	2SC403SP-51	R594	1-249-401-11	CARBON	47 5% 1/4W F
Q3151	8-729-900-80	TRANSISTOR	DTC114ES	R611	1-249-429-11	CARBON	10K 5% 1/4W
Q3152	8-729-903-02	TRANSISTOR	DTA143XS	R612	1-249-421-11	CARBON	2.2K 5% 1/4W F
< RESISTOR >							
R501	1-249-419-11	CARBON	1.5K 5% 1/4W F	R613	1-249-429-11	CARBON	10K 5% 1/4W
R502	1-249-401-11	CARBON	47 5% 1/4W F	R614	1-249-421-11	CARBON	2.2K 5% 1/4W F
R503	1-249-403-11	CARBON	68 5% 1/4W F	R625	1-247-815-91	CARBON	220 5% 1/4W (N355K)
R504	1-247-807-31	CARBON	100 5% 1/4W	R626	1-249-411-11	CARBON	330 5% 1/4W (N355K)
R505	1-249-407-11	CARBON	150 5% 1/4W F	R633	1-247-807-31	CARBON	100 5% 1/4W
R506	1-249-407-11	CARBON	150 5% 1/4W F	R634	1-247-807-31	CARBON	100 5% 1/4W
R507	1-247-815-91	CARBON	220 5% 1/4W	R635	1-247-807-31	CARBON	100 5% 1/4W
R508	1-249-411-11	CARBON	330 5% 1/4W	R636	1-247-807-31	CARBON	100 5% 1/4W
R509	1-249-413-11	CARBON	470 5% 1/4W F	R637	1-247-807-31	CARBON	100 5% 1/4W
R510	1-249-415-11	CARBON	680 5% 1/4W F	R641	1-249-406-11	CARBON	120 5% 1/4W F
R511	1-249-417-11	CARBON	1K 5% 1/4W F	R642	1-247-807-31	CARBON	100 5% 1/4W
R517	1-249-419-11	CARBON	1.5K 5% 1/4W F	R643	1-247-807-31	CARBON	100 5% 1/4W
R518	1-249-401-11	CARBON	47 5% 1/4W F	R644	1-249-406-11	CARBON	120 5% 1/4W F
R519	1-249-403-11	CARBON	68 5% 1/4W F	R645	1-249-407-11	CARBON	150 5% 1/4W F
R520	1-247-807-31	CARBON	100 5% 1/4W	R646	1-249-406-11	CARBON	120 5% 1/4W F
R521	1-249-407-11	CARBON	150 5% 1/4W F	R648	1-249-425-11	CARBON	4.7K 5% 1/4W F
R522	1-249-407-11	CARBON	150 5% 1/4W F	R698	1-249-393-11	CARBON	10 5% 1/4W F
R523	1-247-815-91	CARBON	220 5% 1/4W	R700	1-249-393-11	CARBON	10 5% 1/4W F
R524	1-249-411-11	CARBON	330 5% 1/4W	R705	1-249-429-11	CARBON	10K 5% 1/4W
R525	1-249-413-11	CARBON	470 5% 1/4W F	(N355:E, MX, AR, AUS, PX/N355K)			
R526	1-249-415-11	CARBON	680 5% 1/4W F	R837	1-249-429-11	CARBON	10K 5% 1/4W
R527	1-249-419-11	CARBON	1.5K 5% 1/4W F	(N355:E, MX, AR, AUS, PX/N355K)			
R528	1-249-401-11	CARBON	47 5% 1/4W F	R838	1-249-431-11	CARBON	15K 5% 1/4W
R529	1-249-403-11	CARBON	68 5% 1/4W F	(N355:E, MX, AR, AUS, PX/N355K)			
R530	1-247-807-31	CARBON	100 5% 1/4W	R839	1-249-431-11	CARBON	15K 5% 1/4W
				(N355:E, MX, AR, AUS, PX/N355K)			
				R840	1-249-399-11	CARBON	33 5% 1/4W F
				(N355:E, MX, AR, AUS, PX/N355K)			
				R841	1-249-423-11	CARBON	3.3K 5% 1/4W F
				(N355:E, MX, AR, AUS, PX/N355K)			

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R842	1-249-433-11	CARBON	22K 5% 1/4W (N355:E, MX, AR, AUS, PX/N355K)	R3110	1-247-807-31	CARBON	100 5% 1/4W
R843	1-249-431-11	CARBON	15K 5% 1/4W (N355:E, MX, AR, AUS, PX/N355K)	R3115	1-247-807-31	CARBON	100 5% 1/4W
R844	1-249-431-11	CARBON	15K 5% 1/4W (N355:E, MX, AR, AUS, PX/N355K)	R3122	1-247-807-31	CARBON	100 5% 1/4W
R846	1-249-431-11	CARBON	15K 5% 1/4W (N355:E, MX, AR, AUS, PX/N355K)	R3123	1-247-807-31	CARBON	100 5% 1/4W
R848	1-247-903-00	CARBON	1M 5% 1/4W (N355:E, MX, AR, AUS, PX/N355K)	R3124	1-247-807-31	CARBON	100 5% 1/4W
R849	1-249-423-11	CARBON	3.3K 5% 1/4W F (N355:E, MX, AR, AUS, PX/N355K)	R3138	1-247-807-31	CARBON	100 5% 1/4W
R857	1-249-417-11	CARBON	1K 5% 1/4W F (N355:E, MX, AR, AUS, PX/N355K)	R3201	1-249-411-11	CARBON	330 5% 1/4W
R861	1-249-431-11	CARBON	15K 5% 1/4W (N355:E, MX, AR, AUS, PX/N355K)	R3202	1-249-437-11	CARBON	47K 5% 1/4W
R862	1-249-427-11	CARBON	6.8K 5% 1/4W F (N355:E, MX, AR, AUS, PX/N355K)	R3203	1-247-895-91	CARBON	470K 5% 1/4W
R875	1-247-815-91	CARBON	220 5% 1/4W (N355:E, MX, AR, AUS, PX)	R3204	1-247-895-91	CARBON	470K 5% 1/4W
R884	1-249-435-11	CARBON	33K 5% 1/4W (N355:E, MX, AR, AUS, PX/N355K)	R3211	1-249-411-11	CARBON	330 5% 1/4W
R885	1-249-429-11	CARBON	10K 5% 1/4W (N355:E, MX, AR, AUS, PX/N355K)	R3212	1-249-437-11	CARBON	47K 5% 1/4W
R886	1-249-429-11	CARBON	10K 5% 1/4W (N355:E, MX, AR, AUS, PX/N355K)	R3213	1-247-895-91	CARBON	470K 5% 1/4W
R887	1-249-431-11	CARBON	15K 5% 1/4W (N355:E, MX, AR, AUS, PX/N355K)	R3214	1-247-895-91	CARBON	470K 5% 1/4W
R888	1-249-429-11	CARBON	10K 5% 1/4W (N355:E, MX, AR, AUS, PX/N355K)	R3221	1-249-411-11	CARBON	330 5% 1/4W
R889	1-249-429-11	CARBON	10K 5% 1/4W (N355:E, MX, AR, AUS, PX/N355K)	R3222	1-249-437-11	CARBON	47K 5% 1/4W
R891	1-247-807-31	CARBON	100 5% 1/4W (N355:E, MX, AR, AUS, PX/N355K)	R3223	1-247-895-91	CARBON	470K 5% 1/4W
R3011	1-247-903-00	CARBON	1M 5% 1/4W	R3224	1-247-895-91	CARBON	470K 5% 1/4W
R3015	1-249-429-11	CARBON	10K 5% 1/4W	R3231	1-247-807-31	CARBON	100 5% 1/4W
R3019	1-249-429-11	CARBON	10K 5% 1/4W	R3232	1-249-437-11	CARBON	47K 5% 1/4W
R3020	1-249-429-11	CARBON	10K 5% 1/4W	R3233	1-247-895-91	CARBON	470K 5% 1/4W
R3021	1-249-429-11	CARBON	10K 5% 1/4W	R3234	1-247-895-91	CARBON	470K 5% 1/4W
R3022	1-249-429-11	CARBON	10K 5% 1/4W	R3243	1-247-807-31	CARBON	100 5% 1/4W
R3023	1-249-429-11	CARBON	10K 5% 1/4W				< SWITCH >
R3024	1-249-429-11	CARBON	10K 5% 1/4W	S501	1-554-303-21	SWITCH, TACTILE (SYSTEM POWER)	
R3036	1-249-429-11	CARBON	10K 5% 1/4W	S502	1-554-303-21	SWITCH, TACTILE (SLEEP)	
R3037	1-249-429-11	CARBON	10K 5% 1/4W	S503	1-554-303-21	SWITCH, TACTILE (CLOCK SET)	
R3038	1-249-429-11	CARBON	10K 5% 1/4W	S504	1-554-303-21	SWITCH, TACTILE (EFFECT)	
R3041	1-249-429-11	CARBON	10K 5% 1/4W	S505	1-554-303-21	SWITCH, TACTILE (ECHO) (N355K)	
R3042	1-249-423-11	CARBON	3.3K 5% 1/4W F	S506	1-554-303-21	SWITCH, TACTILE (KARAOKE PON/MPX) (N355:E, MX, AR, AUS, PX/N355K)	
R3049	1-249-429-11	CARBON	10K 5% 1/4W	S507	1-554-303-21	SWITCH, TACTILE (TUNING MODE)	
R3050	1-249-429-11	CARBON	10K 5% 1/4W	S508	1-554-303-21	SWITCH, TACTILE (>)	
R3051	1-249-429-11	CARBON	10K 5% 1/4W	S509	1-554-303-21	SWITCH, TACTILE (^)	
R3052	1-249-429-11	CARBON	10K 5% 1/4W	S510	1-554-303-21	SWITCH, TACTILE (<)	
R3053	1-249-429-11	CARBON	10K 5% 1/4W	S511	1-554-303-21	SWITCH, TACTILE (V)	
R3087	1-249-441-11	CARBON	100K 5% 1/4W	S517	1-554-303-21	SWITCH, TACTILE (ENTER/NEXT)	
				S518	1-554-303-21	SWITCH, TACTILE (DISPLAY/DEMO)	
				S519	1-554-303-21	SWITCH, TACTILE (REC)	
				S520	1-554-303-21	SWITCH, TACTILE (DAILY 2)	
				S521	1-554-303-21	SWITCH, TACTILE (DAILY 1)	
				S522	1-554-303-21	SWITCH, TACTILE (TIMER SET)	
				S523	1-554-303-21	SWITCH, TACTILE (b DOWN) (N355K)	
				S524	1-554-303-21	SWITCH, TACTILE (# UP) (N355K)	
				S525	1-554-303-21	SWITCH, TACTILE (FUNCTION)	
				S526	1-554-303-21	SWITCH, TACTILE (EQ MEMORY)	
				S527	1-554-303-21	SWITCH, TACTILE (FILE 1)	
				S528	1-554-303-21	SWITCH, TACTILE (FILE 2)	
				S529	1-554-303-21	SWITCH, TACTILE (FILE 3)	
				S530	1-554-303-21	SWITCH, TACTILE (FILE 4)	

# PANEL POWER AMPLIFIER

Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Description		Remark
S531	1-554-303-21	SWITCH, TACTILE (FILE SELECT)			C1225	1-162-284-31	CERAMIC	150PF	10% 50V
S532	1-554-303-21	SWITCH, TACTILE (FILE 5)							(N355:AEP, UK, G, IT, EE)
S550	1-554-303-21	SWITCH, TACTILE (SURROUND)			C1251	1-128-582-11	ELECT	10uF	20% 100V(D570)
S551	1-554-303-21	SWITCH, TACTILE (DBFB)			C1251	1-126-963-11	ELECT	4.7uF	20% 50V
S552	1-554-303-21	SWITCH, TACTILE (TUNER/BAND)			C1251	1-162-288-31	CERAMIC	330PF	10% 50V
S565	1-554-303-21	SWITCH, TACTILE (STEREO/MONO)			C1253	1-162-286-21	CERAMIC	220PF	10% 50V
S566	1-554-303-21	SWITCH, TACTILE (TUNER MEMORY)			C1253	1-162-286-31	CERAMIC	220PF	10% 50V
S567	1-554-303-21	SWITCH, TACTILE (+ TUNING)			C1254	1-126-967-11	ELECT	47uF	20% 10V
S568	1-554-303-21	SWITCH, TACTILE (- TUNING)			C1255	1-126-967-11	ELECT	47uF	20% 50V
S579	1-467-869-11	ENCODER, ROTARY (VOLUME)			C1256	1-126-968-11	ELECT	100uF	20% 50V
		< VIBRATOR >			C1256	1-128-560-11	ELECT	22uF	20% 100V(D570)
X801	1-527-978-00	OSCILLATOR, CERAMIC (320kHz)		(N355:MY, TH)	C1257	1-136-165-00	FILM	0.1uF	5% 50V
X3001	1-579-233-11	VIBRATOR, CERAMIC (4MHz)			C1260	1-136-495-11	FILM	0.068uF	5% 50V
*****									
*	A-4378-988-A	POWER AMPLIFIER BOARD, COMPLETE			C1261	1-136-495-11	FILM	0.068uF	5% 50V
		*****							
				(N355:AEP, UK, G, IT, EE)					
*	A-4378-998-A	POWER AMPLIFIER BOARD, COMPLETE					< CONNECTOR >		
		*****							
				(N355:E, MX, AR, AUS, PX/N355K:E, EA, SP, IA)					
*	A-4389-671-A	POWER AMPLIFIER BOARD, COMPLETE							
		*****							
				(D570:US, CND)					
*	A-4390-149-A	POWER AMPLIFIER BOARD, COMPLETE							
		*****							
				(N355K:MY)					
*	A-4390-206-A	POWER AMPLIFIER BOARD, COMPLETE							
		*****							
				(N355K:TH)					
		< CAPACITOR >							
C1201	1-128-582-11	ELECT	10uF	20%	100V(D570)				
C1201	1-126-963-11	ELECT	4.7uF	20%	50V				
					(N355/N355K)				
C1202	1-162-288-31	CERAMIC	330PF	10%	50V				
C1203	1-162-286-21	CERAMIC	220PF	10%	50V				
C1204	1-126-967-11	ELECT	47uF	20%	10V				
C1205	1-126-967-11	ELECT	47uF	20%	50V				
C1206	1-126-968-11	ELECT	100uF	20%	50V				
					(N355/N355K)				
C1206	1-128-560-11	ELECT	22uF	20%	100V(D570)				
C1207	1-136-165-00	FILM	0.1uF	5%	50V				
C1208	1-126-965-11	ELECT	22uF	20%	50V				
C1210	1-136-495-11	FILM	0.068uF	5%	50V				
C1211	1-136-495-11	FILM	0.068uF	5%	50V				
C1220	1-126-924-11	ELECT	330uF	20%	10V				
		< DIODE >							
D1201	8-719-815-85	DIODE			1S1585 (D570)				
D1201	8-719-987-63	DIODE			1N4148M (N355/N355K)				
D1202	8-719-987-63	DIODE			1N4148M				
D1203	8-719-987-63	DIODE			1N4148M				
D1251	8-719-815-85	DIODE			1S1585 (D570)				
D1251	8-719-987-63	DIODE			1N4148M (N355/N355K)				
		< IC >							
IC1201	8-749-900-34	IC	STK-4182MK2						
					(N355:E, MX, AR, AUS, PX/N355K)				
IC1201	8-749-920-10	IC	STK4172MK2	(N355:AEP, UK, G, IT, EE)					
IC1201	8-749-921-68	IC	STK-4231MK2	(D570:US, CND)					
		< TRANSISTOR >							
Q1201	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA						
Q1251	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA						
Q1301	8-729-900-36	TRANSISTOR	DTC124ES (D570)						
Q1302	8-729-900-36	TRANSISTOR	DTC124ES (D570)						
		< RESISTOR >							
R1201	1-249-417-11	CARBON		1K	5% 1/4W F				
R1202	1-249-437-11	CARBON		47K	5% 1/4W				
R1203	1-249-413-11	CARBON		470	5% 1/4W F (D570)				
R1203	1-249-415-11	CARBON		680	5% 1/4W F				
					(N355/N355K)				
R1204	1-249-437-11	CARBON		47K	5% 1/4W				

## POWER AMPLIFIER

## TABLE SENSOR

## TC CONTROL

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark	
R1205	1-260-103-11	CARBON	2. 2K	5%	1/2W (N355:AEP, UK, IT, G, EE)		△R1260	1-208-601-11	WIREWOUND	0. 1	10%	2W F (D570)
R1205	1-260-105-11	CARBON	3. 3K	5%	1/2W (N355:E, MX, AR, AUS, PX/N355K)		△R1260	1-208-602-11	WIREWOUND	0. 22	10%	2W F (N355/N355K)
R1205	1-260-107-11	CARBON	4. 7K	5%	1/2W (D570)		R1261	1-249-417-11	CARBON	1K	5%	1/4W F
R1207	1-260-103-11	CARBON	2. 2K	5%	1/2W (N355:AEP, UK, G, IT, EE)		R1262	1-247-863-91	CARBON	22K	5%	1/4W (D570)
R1207	1-260-105-11	CARBON	3. 3K	5%	1/2W (N355:E, MX, AR, AUS, PX/N355K)		R1262	1-249-431-11	CARBON	15K	5%	1/4W (N355/N355K)
R1207	1-260-107-11	CARBON	4. 7K	5%	1/2W (D570)		R1263	1-249-441-11	CARBON	100K	5%	1/4W
△R1209	1-212-881-11	FUSIBLE	100	5%	1/4W F		R1268	1-260-076-11	CARBON	10	5%	1/2W
△R1210	1-208-601-11	WIREWOUND	0. 1	10%	2W F (D570)		R1300	1-249-441-11	CARBON	100K	5%	1/4W (D570)
△R1210	1-208-602-11	WIREWOUND	0. 22	10%	2W F (N355/N355K)		R1301	1-249-441-11	CARBON	100K	5%	1/4W (D570)
R1211	1-249-417-11	CARBON	1K	5%	1/4W F		R1302	1-249-441-11	CARBON	100K	5%	1/4W (D570)
R1212	1-247-863-91	CARBON	22K	5%	1/4W (D570)		△R1303	1-249-383-11	CARBON	1. 5	5%	1/4W F (D570:US, CND)
R1212	1-249-431-11	CARBON	15K	5%	1/4W (N355/N355K)						< THERMISTOR >	
R1213	1-249-441-11	CARBON	100K	5%	1/4W						THP12011-807-796-11 THERMISTOR, POSITIVE (D570:US, CND)	
R1214	1-260-099-11	CARBON	1K	5%	1/2W (N355/N355K)						*****	
R1214	1-260-102-11	CARBON	1. 8K	5%	1/2W (D570)						*	
R1217	1-260-099-11	CARBON	1K	5%	1/2W (N355/N355K)						*****	
R1217	1-260-102-11	CARBON	1. 8K	5%	1/2W (D570)						< IC >	
R1218	1-260-076-11	CARBON	10	5%	1/2W						IC202 8-749-924-18 PHOTO INTERRUPTER RPI-1391	
R1228	1-247-882-11	CARBON	130K	5%	1/4W (N355/N355K)						< RESISTOR >	
R1228	1-247-891-00	CARBON	330K	5%	1/4W (D570)						R207 1-249-416-11 CARBON 820 5% 1/4W F	
R1230	1-249-425-11	CARBON	4. 7K	5%	1/4W (D570)						*****	
R1230	1-249-423-11	CARBON	3. 3K	5%	1/4W (N355/N355K)						*	
R1241	1-249-397-11	CARBON	22	5%	1/4W F (N355K:MY)						1-659-413-11 TC CONTROL BOARD *****	
R1242	1-249-429-11	CARBON	10K	5%	1/4W						< DIODE >	
△R1243	1-217-637-00	FUSIBLE	1	5%	1/4W F							
R1251	1-249-417-11	CARBON	1K	5%	1/4W F						D630 8-719-058-03 DIODE SEL5423E-TP15 (D) (DECK B)	
R1252	1-249-437-11	CARBON	47K	5%	1/4W						D631 8-719-058-03 DIODE SEL5423E-TP15 (L) (DECK B)	
R1253	1-249-413-11	CARBON	470	5%	1/4W F (D570)						D632 8-719-058-03 DIODE SEL5423E-TP15 (D) (DECK A)	
R1253	1-249-415-11	CARBON	680	5%	1/4W F (N355/N355K)						D633 8-719-058-03 DIODE SEL5423E-TP15 (L) (DECK A)	
R1254	1-249-437-11	CARBON	47K	5%	1/4W						D634 8-719-058-03 DIODE SEL5423E-TP15	
R1255	1-260-103-11	CARBON	2. 2K	5%	1/2W (N355:AEP, UK, IT, G, EE)						D635 8-719-058-03 DIODE SEL5423E-TP15	
R1255	1-260-105-11	CARBON	3. 3K	5%	1/2W (N355:E, MX, AR, AUS, PX/N355K)						< RESISTOR >	
R1255	1-260-107-11	CARBON	4. 7K	5%	1/2W (D570)						R538 1-247-815-91 CARBON 220 5% 1/4W	
R1257	1-260-103-11	CARBON	2. 2K	5%	1/2W (N355:AEP, UK, IT, G, EE)						R539 1-249-411-11 CARBON 330 5% 1/4W	
R1257	1-260-105-11	CARBON	3. 3K	5%	1/2W (N355:E, MX, AR, AUS, PX/N355K)						R540 1-249-413-11 CARBON 470 5% 1/4W F	
R1257	1-260-107-11	CARBON	4. 7K	5%	1/2W (D570)						R541 1-249-415-11 CARBON 680 5% 1/4W F	
R1259	1-212-881-11	FUSIBLE	100	5%	1/4W F						R542 1-249-417-11 CARBON 1K 5% 1/4W F	
R1257	1-260-103-11	CARBON	2. 2K	5%	1/2W (D570)						R543 1-249-419-11 CARBON 1. 5K 5% 1/4W F	
△R1259	1-212-881-11	FUSIBLE	100	5%	1/4W F						R544 1-249-421-11 CARBON 2. 2K 5% 1/4W F	
											R545 1-249-423-11 CARBON 3. 3K 5% 1/4W F	

The components identified by mark **△** or dotted line with mark **△** are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une marque **△** sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

## TC CONTROL

**TC SW**

TCB

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R546	1-249-427-11	CARBON	6.8K	5%	1/4W F	S534	1-554-303-21	SWITCH, TACTILE (HIGH SPEED DUBBING)			
R547	1-249-431-11	CARBON	15K	5%	1/4W	S535	1-554-303-21	SWITCH, TACTILE (II)			
R672	1-247-815-91	CARBON	220	5%	1/4W	S536	1-554-303-21	SWITCH, TACTILE (● REC)			
R673	1-247-815-91	CARBON	220	5%	1/4W	S537	1-554-303-21	SWITCH, TACTILE (DIRECTION)			
< SWITCH >						S538	1-554-303-21	SWITCH, TACTILE (DOLBY NR)			
											(D570/N355: AEP, UK, G, IT, EE)
S539	1-554-303-21	SWITCH, TACTILE (►►) (DECK B)				*****	*****	*****	*****	*****	*****
S540	1-554-303-21	SWITCH, TACTILE (◀◀) (DECK B)				*	A-4303-510-A	TCB BOARD, COMPLETE (D570)			
S541	1-554-303-21	SWITCH, TACTILE (■■) (DECK B)					*****	*****	*****	*****	*****
S542	1-554-303-21	SWITCH, TACTILE (▷) (DECK B)				*	A-4303-513-A	TCB BOARD, COMPLETE			
S543	1-554-303-21	SWITCH, TACTILE (◁) (DECK B)					*****	*****	*****	*****	*****
S544	1-554-303-21	SWITCH, TACTILE (▷) (DECK A)				*	A-4303-525-A	TCB BOARD, COMPLETE (N355K:MY)			
S545	1-554-303-21	SWITCH, TACTILE (◁) (DECK A)					*****	*****	*****	*****	*****
S546	1-554-303-21	SWITCH, TACTILE (►►) (DECK A)				*	A-4303-555-A	TCB BOARD, COMPLETE (N355K:TH)			
S547	1-554-303-21	SWITCH, TACTILE (◀◀) (DECK A)					*****	*****	*****	*****	*****
S548	1-554-303-21	SWITCH, TACTILE (■■) (DECK A)				*	*****	*****	*****	*****	*****
*****						*	*****	*****	*****	*****	*****
*	1-659-412-11	TC SW BOARD				< CAPACITOR >					
		*****									
			< CONNECTOR >								
* CN503	1-568-945-11	PIN, CONNECTOR 7P				C1	1-162-294-31	CERAMIC	0.001uF	10%	50V
			< DIODE >			C2	1-126-967-11	ELECT	47uF	20%	16V
D628	8-719-058-17	DIODE	LNJ401NPYJA (II)			C3	1-164-159-21	CERAMIC	0.1uF		50V
D629	8-719-057-09	DIODE	LNJ801LPDJA (●)			C5	1-162-306-11	CERAMIC	10000PF	30%	16V
			< RESISTOR >			C6	1-162-306-11	CERAMIC	10000PF	30%	16V
R533	1-249-419-11	CARBON	1.5K	5%	1/4W F	C7	1-101-004-00	CERAMIC	0.01uF		50V
R534	1-249-421-11	CARBON	2.2K	5%	1/4W F	C8	1-162-306-11	CERAMIC	10000PF	30%	16V
R535	1-249-423-11	CARBON	3.3K	5%	1/4W F	C9	1-162-306-11	CERAMIC	10000PF	30%	16V
R536	1-249-427-11	CARBON	6.8K	5%	1/4W F	C11	1-164-159-21	CERAMIC	0.1uF		50V
R537	1-249-431-11	CARBON	15K	5%	1/4W	C12	1-162-198-31	CERAMIC	8.2PF	10%	50V
			(D570/N355: AEP, UK, G, IT, EE)			C14	1-162-306-11	CERAMIC	10000PF	30%	16V
R590	1-249-417-11	CARBON	1K	5%	1/4W F	C21	1-102-959-00	CERAMIC	22PF	5%	50V
R649	1-249-425-11	CARBON	4.7K	5%	1/4W F						(EXCEPT N355K:TH)
R650	1-249-425-11	CARBON	4.7K	5%	1/4W F	C21	1-102-960-00	CERAMIC	24PF	5%	50V
R651	1-249-425-11	CARBON	4.7K	5%	1/4W F						(N355K:TH)
R652	1-249-425-11	CARBON	4.7K	5%	1/4W F	C22	1-164-159-21	CERAMIC	0.1uF		50V
R656	1-249-425-11	CARBON	4.7K	5%	1/4W F	C23	1-162-306-11	CERAMIC	10000PF	30%	16V
R657	1-249-425-11	CARBON	4.7K	5%	1/4W F	C24	1-126-967-11	ELECT	47uF	20%	16V
R658	1-249-425-11	CARBON	4.7K	5%	1/4W F	C25	1-162-306-11	CERAMIC	10000PF	30%	16V
R659	1-249-425-11	CARBON	4.7K	5%	1/4W F	C26	1-126-964-11	ELECT	10uF	20%	50V
R660	1-249-425-11	CARBON	4.7K	5%	1/4W F	C27	1-164-159-21	CERAMIC	0.1uF		50V
R661	1-249-425-11	CARBON	4.7K	5%	1/4W F	C28	1-124-925-11	ELECT	2.2uF	20%	100V
			< SWITCH >			C29	1-102-518-11	CERAMIC	33PF	5%	50V
S533	1-554-303-21	SWITCH, TACTILE (CD SYNCHRO)									(EXCEPT N355K:TH)
						C29	1-102-960-00	CERAMIC	24PF	5%	50V
											(N355K:TH)
						C30	1-162-294-31	CERAMIC	0.001uF	10%	50V
						C31	1-162-306-11	CERAMIC	10000PF	30%	16V
						C41	1-126-933-11	ELECT	100uF	20%	10V
						C42	1-162-306-11	CERAMIC	10000PF	30%	16V

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark		
C43	1-126-962-11	ELECT	3.3uF	20%	50V			< FRONTEND >					
C44	1-162-306-11	CERAMIC	10000PF	30%	16V			< FRONTEND >					
C45	1-124-589-11	ELECT	47uF	20%	16V			< FRONTEND >					
C46	1-162-600-11	CERAMIC	4700PF	30%	16V			< FRONTEND >					
C47	1-162-294-31	CERAMIC	0.001uF	10%	50V			< IC >					
C48	1-126-160-11	ELECT	1uF	20%	50V			< IC >					
C49	1-136-159-00	METALIZED FILM	0.033uF	5%	50V (N355:E, AUS, AR, MX, PX/N355K:E, SP, MY, TH, IA)			IC1 8-759-288-54 IC LC72130					
C49	1-136-160-00	METALIZED FILM	0.039uF	5%	50V (D570)			IC2 8-759-176-03 IC LA1835					
C50	1-136-159-00	METALIZED FILM	0.033uF	5%	50V (N355:E, AUS, AR, MX, PX/N355K:E, SP, MY, TH, IA)			< IFT >					
C50	1-136-160-00	METALIZED FILM	0.039uF	5%	50V (D570)			IFT41 1-409-636-11 TRANSFORMER, IF (CERAMIC FILTER)					
C51	1-162-600-11	CERAMIC	4700PF	30%	16V (D570)			< COIL >					
C52	1-162-600-11	CERAMIC	4700PF	30%	16V (D570)			L41 1-410-119-11 MICRO INDUCTOR (EL TYPE)					
C53	1-126-964-11	ELECT	10uF	20%	50V			< FILTER >					
C54	1-126-157-11	ELECT	10uF	20%	16V			LPF41 1-239-845-11 FILTER, LOW PASS (D570)					
C55	1-126-964-11	ELECT	10uF	20%	50V			LPF42 1-239-845-11 FILTER, LOW PASS (D570)					
C56	1-126-964-11	ELECT	10uF	20%	50V			< TRANSISTOR >					
C57	1-164-159-21	CERAMIC	0.1uF		50V F		Q1	8-729-230-99	TRANSISTOR	2SC26690Y			
C58	1-162-306-11	CERAMIC	10000PF	30%	16V		Q2	8-729-230-99	TRANSISTOR	2SC26690Y			
C59	1-164-159-21	CERAMIC	0.1uF		50V F		Q3	8-729-230-99	TRANSISTOR	2SC26690Y			
C60	1-164-159-21	CERAMIC	0.1uF		50V F		Q4	8-729-230-99	TRANSISTOR	2SC26690Y			
C61	1-164-159-21	CERAMIC	0.1uF		50V F		Q5	8-729-422-57	TRANSISTOR	UN4111			
C62	1-126-967-11	ELECT	47uF	20%	16V			< RESISTOR >					
C63	1-164-159-21	CERAMIC	0.1uF		50V F								
C64	1-124-902-00	ELECT	0.47uF	20%	50V		R1	1-249-401-11	CARBON	47	5% 1/4W F		
C65	1-124-903-11	ELECT	1.0uF	20%	50V		R2	1-249-411-11	CARBON	330	5% 1/4W		
C66	1-124-903-11	ELECT	1.0uF	20%	50V		R3	1-249-411-11	CARBON	330	5% 1/4W		
C67	1-126-964-11	ELECT	10uF	20%	50V		R5	1-249-411-11	CARBON	330	5% 1/4W		
C68	1-162-306-11	CERAMIC	10000PF	30%	16V		R6	1-247-863-91	CARBON	22K	5% 1/4W		
C69	1-162-306-11	CERAMIC	10000PF	30%	16V			R7	1-249-411-11	CARBON	330	5% 1/4W	
C70	1-162-306-11	CERAMIC	10000PF	30%	16V			R8	1-249-411-11	CARBON	330	5% 1/4W	
C71	1-162-306-11	CERAMIC	10000PF	30%	16V			R9	1-247-863-91	CARBON	22K	5% 1/4W	
C73	1-162-306-11	CERAMIC	10000PF	30%	16V			R10	1-249-411-11	CARBON	330	5% 1/4W	
C74	1-126-964-11	ELECT	10uF	20%	50V			R11	1-247-863-91	CARBON	22K	5% 1/4W	
		< FILTER >						R12	1-249-411-11	CARBON	330	5% 1/4W	
CF1	1-567-389-11	FILTER, CERAMIC						R13	1-249-411-11	CARBON	330	5% 1/4W	
CF2	1-567-389-11	FILTER, CERAMIC						R14	1-247-863-91	CARBON	22K	5% 1/4W	
		< CONNECTOR >						R15	1-249-429-11	CARBON	10K	5% 1/4W	
* CN1	1-568-832-11	SOCKET, CONNECTOR 13P						R16	1-249-437-11	CARBON	47K	5% 1/4W	
		< DIODE >						R19	1-249-399-11	CARBON	33	5% 1/4W F	
D1	8-719-933-33	DIODE	HZS6A1L					R21	1-247-807-31	CARBON	100	5% 1/4W	
D2	8-719-987-63	DIODE	1N4148M					R22	1-249-425-11	CARBON	4.7K	5% 1/4W F	
								R23	1-249-425-11	CARBON	4.7K	5% 1/4W F	
								R24	1-249-425-11	CARBON	4.7K	5% 1/4W F	
								R25	1-247-807-31	CARBON	100	5% 1/4W	
								R26	1-249-411-11	CARBON	330	5% 1/4W	
								R27	1-249-425-11	CARBON	4.7K	5% 1/4W F	

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R28	1-249-423-11	CARBON	3.3K	5%	1/4W F	*	A-4303-502-A	TCB BOARD, COMPLETE (N355:AEP, UK)	*****		
R29	1-249-417-11	CARBON	1K	5%	1/4W F				*****		
R30	1-249-417-11	CARBON	1K	5%	1/4W F	*	A-4303-503-A	TCB BOARD, COMPLETE (N355:IT, G)	*****		
R31	1-249-417-11	CARBON	1K	5%	1/4W F				*****		
R32	1-249-417-11	CARBON	1K	5%	1/4W F				*****		
R33	1-247-807-31	CARBON	100	5%	1/4W	*	A-4303-504-A	TCB BOARD, COMPLETE (N355:EE)	*****		
R34	1-249-429-11	CARBON	10K	5%	1/4W				*****		
R35	1-249-429-11	CARBON	10K	5%	1/4W	*	A-4303-507-A	TCB BOARD, COMPLETE (N355K:EA)	*****		
R36	1-249-437-11	CARBON	47K	5%	1/4W				*****		
R37	1-249-417-11	CARBON	1K	5%	1/4W F				*****		
R41	1-249-429-11	CARBON	10K	5%	1/4W				< CAPACITOR >		
R43	1-249-421-11	CARBON	2.2K	5%	1/4W				< CAPACITOR >		
R44	1-249-421-11	CARBON	2.2K	5%	1/4W				< CAPACITOR >		
R46	1-249-442-11	CARBON	510	5%	1/4W				< CAPACITOR >		
R47	1-249-403-11	CARBON	68	5%	1/4W F				< CAPACITOR >		
R48	1-249-423-11	CARBON	3.3K	5%	1/4W F				< CAPACITOR >		
R49	1-249-393-11	CARBON	10	5%	1/4W F				< CAPACITOR >		
R50	1-249-429-11	CARBON	10K	5%	1/4W				< CAPACITOR >		
R51	1-249-441-11	CARBON	100K	5%	1/4W				< CAPACITOR >		
R52	1-249-429-11	CARBON	10K	5%	1/4W				< CAPACITOR >		
R53	1-249-425-11	CARBON	4.7K	5%	1/4W F				< CAPACITOR >		
R54	1-249-425-11	CARBON	4.7K	5%	1/4W F				< CAPACITOR >		
< VARIABLE RESISTOR >								< VARIABLE RESISTOR >			
RV41	1-238-600-11	RES, ADJ, CARBON	10K						< VARIABLE RESISTOR >		
RV42	1-238-601-11	RES, ADJ, CARBON	22K						< VARIABLE RESISTOR >		
< TERMINAL >								< TERMINAL >			
TM1	1-537-238-21	TERMINAL BOARD (ANTENNA)							< TERMINAL >		
< VIBRATOR >								< VIBRATOR >			
X21	1-567-713-11	VIBRATOR, CRYSTAL (4.5MHz)	(N355K:TH)						< VIBRATOR >		
X21	1-760-549-11	VIBRATOR, CRYSTAL (4.5MHz)	(EXCEPT N355K:TH)						< VIBRATOR >		
X41	1-577-075-11	OSCILLATOR, CERAMIC (456KHz)							< VIBRATOR >		
X42	1-760-220-11	FILTER, CERAMIC (10.7MHz)							< VIBRATOR >		
X43	1-527-981-00	FILTER, CERAMIC (450KHz)							< VIBRATOR >		
*****								< VIBRATOR >			
C18	1-163-088-00	CERAMIC CHIP	5PF						< CERAMIC CHIP >		
C19	1-163-249-11	CERAMIC CHIP	82PF						< CERAMIC CHIP >		
C21	1-163-141-00	CERAMIC CHIP	0.001uF						< CERAMIC CHIP >		
C22	1-163-031-11	CERAMIC CHIP	0.01uF						< CERAMIC CHIP >		
C23	1-163-235-11	CERAMIC CHIP	22PF						< CERAMIC CHIP >		
C24	1-163-239-11	CERAMIC CHIP	33PF						< CERAMIC CHIP >		
C26	1-126-967-11	ELECT	47uF						< ELECT >		
C28	1-126-967-11	ELECT	47uF						< ELECT >		
C29	1-162-306-11	CERAMIC	0.01uF						< CERAMIC >		
C30	1-124-925-11	ELECT	2.2uF						< ELECT >		
C31	1-163-031-11	CERAMIC CHIP	0.01uF						< CERAMIC CHIP >		
C32	1-163-038-91	CERAMIC CHIP	0.1uF						< CERAMIC CHIP >		
C33	1-163-038-91	CERAMIC CHIP	0.1uF						< CERAMIC CHIP >		
C34	1-163-091-00	CERAMIC CHIP	8PF						< CERAMIC CHIP >		
C34	1-163-229-11	CERAMIC CHIP	12PF						< CERAMIC CHIP >		
C35	1-163-038-91	CERAMIC CHIP	0.1uF						< CERAMIC CHIP >		

Ref. No.	Part No.	Description			Remark		Ref. No.	Part No.	Description			Remark
C36	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V					< CONNECTOR >		
C37	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V					< CONNECTOR >		
C38	1-162-211-31	CERAMIC CHIP	33PF	5%	50V (N355K:EA)					* CN1 1-568-834-11 SOCKET, CONNECTOR 15P		
C39	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V					< TRIMMER >		
C40	1-163-031-11	CERAMIC CHIP	0.01uF		50V					CV1 1-141-227-00 TRIMMER (N355K:EA)		
C41	1-163-031-11	CERAMIC CHIP	0.01uF		50V					CV2 1-141-227-00 TRIMMER (N355K:EA)		
C42	1-163-038-91	CERAMIC CHIP	0.1uF		25V					< DIODE >		
C43	1-163-038-91	CERAMIC CHIP	0.1uF		25V					D1 8-719-976-30 DIODE KV1560N (N355K:EA)		
C44	1-163-031-11	CERAMIC CHIP	0.01uF		50V					D21 8-719-976-99 DIODE DTZ5.1B		
C45	1-163-038-91	CERAMIC CHIP	0.1uF		25V					D41 8-719-016-74 DIODE 1SS352		
C46	1-163-077-00	CERAMIC CHIP	0.1uF	10%	25V					< FRONTEND >		
C47	1-126-967-11	ELECT	47uF	20%	16V					FE1 1-193-385-11 FRONT END (3 GANG) (N355:EE)		
C48	1-163-031-11	CERAMIC CHIP	0.01uF		50V					FE1 1-233-532-11 ENCAPSULATED COMPONENT (N355K:EA)		
C49	1-124-902-00	ELECT	0.47uF	20%	50V					FE1 1-233-542-11 FRONT END (4 GANG) (N355:AEP, UK, IT, G)		
C50	1-124-903-11	ELECT	1.0uF	20%	50V					FE2 1-233-514-11 ENCAPSULATED COMPONENT (N355:AEP, UK, EE)		
C51	1-124-903-11	ELECT	1.0uF	20%	50V					FE2 1-239-260-11 ENCAPSULATED COMPONENT (N355:IT, G)		
C52	1-126-964-11	ELECT	10uF	20%	50V					FE2 1-239-262-11 ENCAPSULATED COMPONENT (N355K:EA)		
C53	1-126-964-11	ELECT	10uF	20%	50V					< IC >		
C54	1-126-157-11	ELECT	10uF	20%	16V					IC21 8-759-288-54 IC LC72130		
C55	1-126-157-11	ELECT	10uF	20%	16V					IC41 8-759-176-03 IC LA1835		
C56	1-126-157-11	ELECT	10uF	20%	16V					< IFT >		
C57	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V (N355)					IFT41 1-409-636-11 TRANSFORMER, IF (CERAMIC FILTER)		
C58	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V (N355)					< JUMPER RESISTOR >		
C59	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V					JR1 1-216-295-11 METAL CHIP 0 5% 1/10W (N355:IT, G)		
					(N355:EE/N355K:EA)					JR2 1-216-295-11 METAL CHIP 0 5% 1/10W (N355:AEP, UK, EE)		
C60	1-163-989-11	CERAMIC CHIP	0.033uF	10%	25V					JR3 1-216-295-11 METAL CHIP 0 5% 1/10W (N355:IT, G)		
					(N355:EE/N355K:EA)					JR6 1-216-295-11 METAL CHIP 0 5% 1/10W (N355:AEP, UK, IT, G)		
C60	1-126-301-11	ELECT	1uF	20%	50V					JR7 1-216-295-11 METAL CHIP 0 5% 1/10W (N355:IT, G)		
C61	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V					JR8 1-216-295-11 METAL CHIP 0 5% 1/10W (N355:AEP, UK, EE)		
C62	1-163-989-11	CERAMIC CHIP	0.033uF	10%	25V					JR9 1-216-295-11 METAL CHIP 0 5% 1/10W (N355:AEP, UK, EE)		
C63	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V					JR12 1-216-295-11 METAL CHIP 0 5% 1/10W (N355K:EA)		
C64	1-126-967-11	ELECT	47uF	20%	16V					JR13 1-216-295-11 METAL CHIP 0 5% 1/10W (N355K:EA)		
C65	1-163-031-11	CERAMIC CHIP	0.01uF		50V					JR45 1-216-295-11 METAL CHIP 0 5% 1/10W (N355K:EA)		
C66	1-126-162-11	ELECT	3.3uF	20%	50V					JR46 1-216-296-11 METAL CHIP 0 5% 1/8W		
C67	1-126-933-11	ELECT	100uF	20%	10V					JR47 1-216-295-11 METAL CHIP 0 5% 1/10W		
C68	1-162-306-11	CERAMIC	0.01uF	30%	16V					JR48 1-216-295-11 METAL CHIP 0 5% 1/10W		
C71	1-162-306-11	CERAMIC	0.01uF	30%	16V					JR49 1-216-296-11 METAL CHIP 0 5% 1/8W		
C72	1-126-967-11	ELECT	47uF	20%	16V					JR50 1-216-295-11 METAL CHIP 0 5% 1/10W (N355K:EA)		
C120	1-163-105-00	CERAMIC CHIP	33PF	5%	50V					JR51 1-216-295-11 METAL CHIP 0 5% 1/10W		
					(N355:AEP, UK, IT, G)					JR52 1-216-295-11 METAL CHIP 0 5% 1/10W		
		< FILTER >										
CF1	1-567-389-11	FILTER, CERAMIC				(N355:EE/N355K:EA)						
CF1	1-579-374-71	FILTER, CERAMIC				(N355:AEP, UK, IT, G)						
CF2	1-760-393-11	FILTER, CERAMIC				(N355:AEP, UK, IT, G)						
CF3	1-567-389-11	FILTER, CERAMIC				(N355:EE/N355K:EA)						
CF3	1-760-393-11	FILTER, CERAMIC				(N355:AEP, UK, IT, G)						

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark		
JR53	1-216-296-11	METAL CHIP	0	5%	1/8W	R12	1-216-037-00	METAL CHIP	330	5%	1/10W		
JR54	1-216-295-11	METAL CHIP	0	5%	1/10W	R13	1-216-037-00	METAL CHIP	330	5%	1/10W		
< JUMPER RESISTOR >													
JW4	1-249-413-11	CARBON	470	5%	1/4W (N355:AEP, UK, IT, G)	R14	1-216-081-00	METAL CHIP	22K	5%	1/10W		
JW5	1-249-413-11	CARBON	470	5%	1/4W (N355:AEP, UK, IT, G)	R18	1-216-065-00	METAL CHIP	4.7K	5%	1/10W (N355K:EA)		
< COIL >													
L1	1-410-521-11	MICRO INDUCTOR	100uH	(N355K:EA)		R18	1-216-073-00	METAL CHIP	10K	5%	1/10W		
L2	1-414-142-11	MICRO INDUCTOR	1uH	(N355:AEP, UK, IT, G)		R19	1-216-073-00	METAL CHIP	10K	5%	1/10W		
L3	1-410-521-11	MICRO INDUCTOR	100uH	(N355:AEP, UK, IT, G)		R20	1-216-121-91	METAL CHIP	1M	5%	1/10W (N355K:EA)		
L4	1-410-515-11	INDUCTOR	33uH	(N355:AEP, UK, IT, G)		R21	1-216-049-11	METAL CHIP	1.0K	5%	1/10W		
L41	1-407-500-00	MICRO INDUCTOR	4.7mH	(N355:AEP, UK, EE)		R22	1-216-049-11	METAL CHIP	1.0K	5%	1/10W		
L41	1-410-119-11	MICRO INDUCTOR (EL TYPE)	1mH	(N355:IT, G/N355K:EA)		R23	1-216-049-11	METAL CHIP	1.0K	5%	1/10W		
< FILTER >													
LPF41	1-239-845-11	FILTER, LOW PASS	(N355)			R24	1-216-025-11	METAL CHIP	100	5%	1/10W		
LPF42	1-239-845-11	FILTER, LOW PASS	(N355)			R25	1-249-417-11	CARBON	1K	5%	1/4W F		
< TRANSISTOR >													
Q1	8-729-201-27	TRANSISTOR	2SC2715-Y			R26	1-249-437-11	CARBON	47K	5%	1/4W		
Q2	8-729-201-27	TRANSISTOR	2SC2715-Y			R27	1-249-429-11	CARBON	10K	5%	1/4W		
Q3	8-729-201-27	TRANSISTOR	2SC2715-Y			R28	1-249-417-11	CARBON	1K	5%	1/4W F		
Q4	8-729-201-27	TRANSISTOR	2SC2715-Y			R29	1-216-061-00	METAL CHIP	3.3K	5%	1/10W		
Q5	8-729-424-08	TRANSISTOR	UN2111			R30	1-216-186-00	METAL CHIP	330	5%	1/8W		
Q8	8-729-033-67	TRANSISTOR	2SK211-Y-TE85L	(N355K:EA)		R31	1-216-025-11	METAL CHIP	100	5%	1/10W		
Q9	8-729-216-22	TRANSISTOR	2SA812-M5M6	(N355:AEP, UK, EE/N355K:EA)		R32	1-249-425-11	CARBON	4.7K	5%	1/4W F		
Q10	8-729-216-22	TRANSISTOR	2SA812-M5M6	(N355K:EA)		R33	1-249-425-11	CARBON	4.7K	5%	1/4W F		
Q11	8-729-421-22	TRANSISTOR	UN2211	(N355:AEP, UK, EE)		R34	1-216-065-00	METAL CHIP	4.7K	5%	1/10W		
Q12	8-729-421-22	TRANSISTOR	UN2211	(N355:AEP, UK, EE/N355K:EA)		R35	1-216-214-00	METAL CHIP	4.7K	5%	1/8W		
Q13	8-729-421-22	TRANSISTOR	UN2211	(N355:AEP, UK, EE/N355K:EA)		R36	1-216-025-11	METAL CHIP	100	5%	1/10W		
Q14	8-729-421-22	TRANSISTOR	UN2211	(N355:AEP, UK, EE/N355K:EA)		R37	1-216-073-00	METAL CHIP	10K	5%	1/10W		
< RESISTOR >													
R1	1-249-401-11	CARBON	47	5%	1/4W F	R38	1-216-089-11	METAL CHIP	47K	5%	1/10W		
R2	1-216-037-00	METAL CHIP	330	5%	1/10W	R39	1-249-429-11	CARBON	10K	5%	1/4W		
R3	1-216-037-00	METAL CHIP	330	5%	1/10W	R42	1-216-073-00	METAL CHIP	10K	5%	1/10W		
R5	1-216-037-00	METAL CHIP	330	5%	1/10W	R43	1-216-042-00	METAL CHIP	510	5%	1/10W		
R6	1-216-081-00	METAL CHIP	22K	5%	1/10W	R44	1-216-021-00	METAL CHIP	68	5%	1/10W		
R7	1-216-037-00	METAL CHIP	330	5%	1/10W	R45	1-249-423-11	CARBON	3.3K	5%	1/4W F		
R8	1-216-037-00	METAL CHIP	330	5%	1/10W	R46	1-216-073-00	METAL CHIP	10K	5%	1/10W		
R9	1-216-081-00	METAL CHIP	22K	5%	1/10W	R47	1-216-097-11	METAL CHIP	100K	5%	1/10W		
R10	1-216-037-00	METAL CHIP	330	5%	1/10W	R48	1-249-417-11	CARBON	1K	5%	1/4W F (N355)		
R11	1-216-081-00	METAL CHIP	22K	5%	1/10W	R49	1-216-049-11	METAL CHIP	1.0K	5%	1/10W (N355)		
< RESISTOR >													
R1	1-249-401-11	CARBON	47	5%	1/4W F	R50	1-216-061-00	METAL CHIP	3.3K	5%	1/10W (N355K:EA)		
R2	1-216-037-00	METAL CHIP	330	5%	1/10W	R51	1-216-065-00	METAL CHIP	4.7K	5%	1/10W		
R3	1-216-037-00	METAL CHIP	330	5%	1/10W	R53	1-249-429-11	CARBON	10K	5%	1/4W		
R5	1-216-037-00	METAL CHIP	330	5%	1/10W	R54	1-249-399-11	CARBON	33	5%	1/4W (N355K:EA)		
R6	1-216-081-00	METAL CHIP	22K	5%	1/10W	R55	1-216-162-00	METAL CHIP	33	5%	1/8W		
R7	1-216-037-00	METAL CHIP	330	5%	1/10W	R56	1-249-393-11	CARBON	10	5%	1/4W F		
R8	1-216-037-00	METAL CHIP	330	5%	1/10W	R91	1-216-065-00	METAL CHIP	4.7K	5%	1/10W (N355K:EA)		
R9	1-216-081-00	METAL CHIP	22K	5%	1/10W	R91	1-216-295-11	METAL CHIP	0	5%	1/10W		
R10	1-216-037-00	METAL CHIP	330	5%	1/10W	R92	1-216-073-00	METAL CHIP	10K	5%	1/10W		
R11	1-216-081-00	METAL CHIP	22K	5%	1/10W	R93	1-216-073-00	METAL CHIP	10K	5%	1/10W (N355K:EA)		
< RESISTOR >													
R1	1-249-401-11	CARBON	47	5%	1/4W F	R94	1-216-073-00	METAL CHIP	10K	5%	1/10W (N355K:EA)		

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark					
< VARIABLE RESISTOR >												
RV41	1-238-601-11	RES, ADJ, CARBON 22K		▲R1602	1-219-120-11	FUSIBLE	0.15 5% 1/4W F					
RV42	1-238-600-11	RES, ADJ, CARBON 10K		▲R1603	1-219-120-81	FUSIBLE	0.15 5% 1/4W F					
< COIL >												
T1	1-409-505-11	COIL (ANT, SW3) (N355K:EA)		▲T1601	1-429-335-11	TRANSFORMER, POWER (N355:AEP, UK, G, IT, EE)						
T2	1-402-960-11	COIL (OSC, SW3) (N355K:EA)		▲T1601	1-429-336-11	TRANSFORMER, POWER (N355:E, MX, AR, AUS, PX/N355K)						
< TERMINAL >												
TM1	1-537-238-21	TERMINAL BOARD (ANTENNA) (N355K:EA)		▲T1601	1-429-337-11	TRANSFORMER, POWER (D570)						
TM1	1-537-488-11	TERMINAL BOARD (ANT) (ANTENNA) (N355)		< SWITCH >								
< VIBRATOR >												
X21	1-760-549-11	VIBRATOR, CRYSTAL (4.5MHz)		▲VS1601	1-572-675-11	SWITCH, POWER VOLTAGE CHANGE (N355:E, AR, PX/N355K:E, EA, SP, IA)						
X41	1-760-220-11	FILTER, CERAMIC (10.7MHz)		*****								
X42	1-527-981-00	FILTER, CERAMIC (450KHz)		MISCELLANEOUS								
X43	1-577-075-11	OSCILLATOR, CERAMIC (456KHz)		*****								
*****												
*	1-659-218-11	TRANS BOARD		8	1-751-086-11	WIRE (FLAT TYPE) (13 CORE)						
	*****				(EXCEPT N355:AEP, UK, G, IT, EE)							
	< FUSE HOLDER >			8	1-773-012-11	WIRE (FLAT TYPE) (15 CORE)						
FH1601	1-533-217-31	HOLDER, FUSE			(N355:AEP, UK, G, IT, EE)							
FH1602	1-533-217-31	HOLDER, FUSE		154	1-776-238-11	WIRE (FLAT TYPE) (19 CORE)						
FH1603	1-533-217-31	HOLDER, FUSE		156	1-590-218-11	WIRE (FLAT TYPE) (11 CORE)						
FH1604	1-533-217-31	HOLDER, FUSE		157	1-765-338-11	WIRE (FLAT TYPE) (21 CORE)						
< CAPACITOR >				158 1-773-119-11 WIRE (FLAT TYPE) (19 CORE)								
C1600	1-164-159-21	CERAMIC	0.1uF		(D570/N355:AEP, UK, G, IT, EE)							
C1601	1-164-159-21	CERAMIC	0.1uF		158 1-773-154-11 WIRE (FLAT TYPE) (21 CORE)							
< CONNECTOR >				(N355:E, MX, AR, AUS, PX)								
CN1601	1-535-139-00	BASE POST 14MM (10MM PITCH) 2P		▲160	1-569-007-11	ADAPTER, CONVERSION 2P (N355:PX/N355K:E)						
	(N355:E, MX, AR, AUS, PX/N355K:E, EA, TH, IA)			▲160	1-569-008-21	ADAPTER, CONVERSION 2P (N355K:EA)						
CN1601	1-774-108-11	PIN, CONNECTOR (PC BOARD)		*								
	(D570/N355:AEP, UK, G, IT, EE/N355K:MY, SP)			357	1-452-538-11	MAGNET						
CN1604	1-564-524-11	PLUG, CONNECTOR 9P		▲401	8-848-387-01	OPTICAL PICK-UP KSS-213BA/S-N						
< FUSE >				402	1-769-069-11	WIRE (FLAT TYPE) (16 CORE)						
▲F1603	1-532-350-00	FUSE, TIME LAG (T4A/250V)		M201	A-4660-977-A	MOTOR ASSY (TABLE)						
	(N355:E, MX, AR, PX/N355K:E, EA, SP, IA)			▲CNP16011-555-750-00	CORD, POWER (N355:AR/N355K:EA)							
▲F1603	1-533-420-11	FUSE, GLASS CYLINDRICAL (DIA. 5) (5A/125V)		▲CNP16011-558-943-51								
	(D570)			CORD, POWER (N355:MX, PX/N355K:E, IA)								
▲F1604	1-532-259-00	FUSE, TIME LAG (T1.6A/250V)		▲CNP16011-575-042-21	CORD, POWER (D570)							
	(N355:AEP, UK, G, IT, EE, E, AR, AUS, PX/N355K)			▲CNP16011-575-651-21	CORD, POWER							
< RESISTOR >					(N355:AEP, G, IT, EE/N355K:MY, SP)							
▲R1600	1-202-725-00	SOLID	3.3M 10%		▲CNP16011-696-966-11	CORD, POWER (N355:AUS)						
▲R1601	1-219-139-11	FUSIBLE	0.68 5%		▲CNP16011-751-326-11	CORD, POWER (N355K:TH)						
	(D570)				▲CNP16011-751-529-11 CORD, POWER (N355:UK)							
	(N355:E, MX, AR, PX/N355K:E, EA, SP, IA)			▲F1603	1-532-350-00	FUSE, TIME LAG (T4A/250V)						
	(N355:E, MX, AR, PX/N355K:E, EA, SP, IA)				(N355:E, MX, AR, PX/N355K:E, EA, SP, IA)							
	(D570)			▲F1603	1-533-420-11	FUSE, GLASS CYLINDRICAL (DIA. 5) (5A/125V)						
	(D570)				(D570)							
	(N355:AEP, UK, G, IT, EE, E, AR, AUS, PX/N355K)			▲F1604	1-532-259-00	FUSE, TIME LAG (T1.6A/250V)						
	(N355:AEP, UK, G, IT, EE, E, AR, AUS, PX/N355K)				(N355:AEP, UK, G, IT, EE, E, AR, AUS, PX/N355K)							
	(FL501)			FL501	1-517-490-21	INDICATOR TUBE, FLUORESCENT						
	(HP101)				HP101 1-500-093-11 HEAD, MAGNETIC (PLAYBACK)							
	(HRPE1011-500-094-11 HEAD, MAGNETIC (REC/PB/ERASE)				HRPE1011-500-094-11 HEAD, MAGNETIC (REC/PB/ERASE)							

The components identified by mark ▲ or dotted line with mark ▲ are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une marque ▲ sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

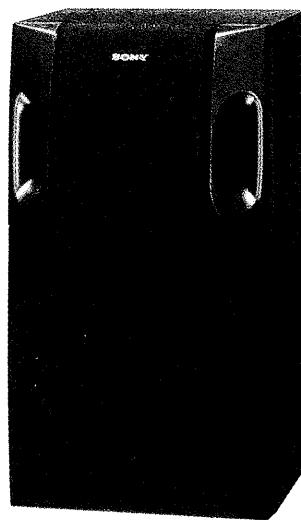
Ref. No.	Part No.	Description	Remark
M1	X-3371-223-1	MOTOR ASSY (CAPSTAN)	
M2	A-2004-410-A	MOTOR ASSY (TRIGGER)	
M101	X-4917-523-4	MOTOR ASSY (SPINDLE)	
M102	X-4917-504-1	MOTOR ASSY (SLED)	
M901	1-698-659-11	FAN, DC (D570)	
S101	1-572-085-11	SWITCH, LEAF (LIMIT)	
△T1601	1-429-335-11	TRANSFORMER, POWER (N355:AEP, UK, G, IT, EE)	
△T1601	1-429-336-11	TRANSFORMER, POWER (N355:E, MX, AR, AUS, PX/N355K)	
△T1601	1-429-337-11	TRANSFORMER, POWER (D570)	
*****			
ACCESSORIES & PACKING MATERIALS			
*****			
	1-501-374-11	ANTENNA, LOOP (N355:AEP, UK, G, IT, EE)	
	1-501-804-11	ANTENNA (FM) (N355:AEP, UK, IT, EE)	
	3-810-802-11	MANUAL, INSTRUCTION (ENGLISH) (N355:UK)	
	3-810-802-21	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, PORTUGUESE) (N355:AEP)	
	3-810-802-31	MANUAL, INSTRUCTION (GERMAN, DUTCH, SWEDISH, ITALIAN) (N355:AEP, IT)	
	3-810-802-41	MANUAL, INSTRUCTION (DANISH, FINNISH) (N355:AEP)	
	3-810-802-51	MANUAL, INSTRUCTION (GERMAN) (N355:G)	
	3-810-802-61	MANUAL, INSTRUCTION (ENGLISH, POLISH, RUSSIAN) (N355:EE)	
*	4-979-300-01	INDIVIDUAL CARTON (N355:AEP, UK, G, IT, EE)	
	4-979-371-01	COVER, BATTERY (for RM-SD50)	
*	4-979-431-01	CUSHION (BOTTOM)	
*	4-980-140-01	CUSHION (UPPER)	
	8-917-537-90	REMOCON RM-SD50//M SET	
*****			
*****			
HARDWARE LIST			
*****			
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
#3	7-685-871-01	SCREW +BVTT 3X6 (S)	
#4	7-685-650-79	SCREW +BVTP 3X16 TYPE2 IT-3	
#5	7-621-770-67	SCREW +BVTT 2.6X6 (S)	
#6	7-685-131-19	SCREW +BTP 2.6X4 TYPE2 N-S	
#7	7-685-534-19	SCREW +BTP 2.6X8 TYPE2 N-S	
#8	7-621-775-10	SCREW +B 2.6X4	
#9	7-685-533-19	SCREW +BTP 2.6X6 TYPE2 N-S	
#10	7-623-921-01	RING, RETAINING, CAPSTAN	
#11	7-621-775-00	SCREW +B 2.6X3	
#12	7-621-255-15	SCREW +P 2X3	

The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une marque  $\Delta$  sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

# SS-D2700/LB355

## SERVICE MANUAL



SS-D2700 is the speaker system in LBT-D270 and LBT-D570.  
SS-LB355 is the speaker system in LBT-N355 and LBT-N355K. Photo : SS-D2700

*US Model*  
*Canadian Model*  
SS-D2700  
*E Model*  
*Australian Model*  
*PX Model*  
SS-LB355  
*Mexican Model*  
SS-D2700/LB355

### SPECIFICATIONS

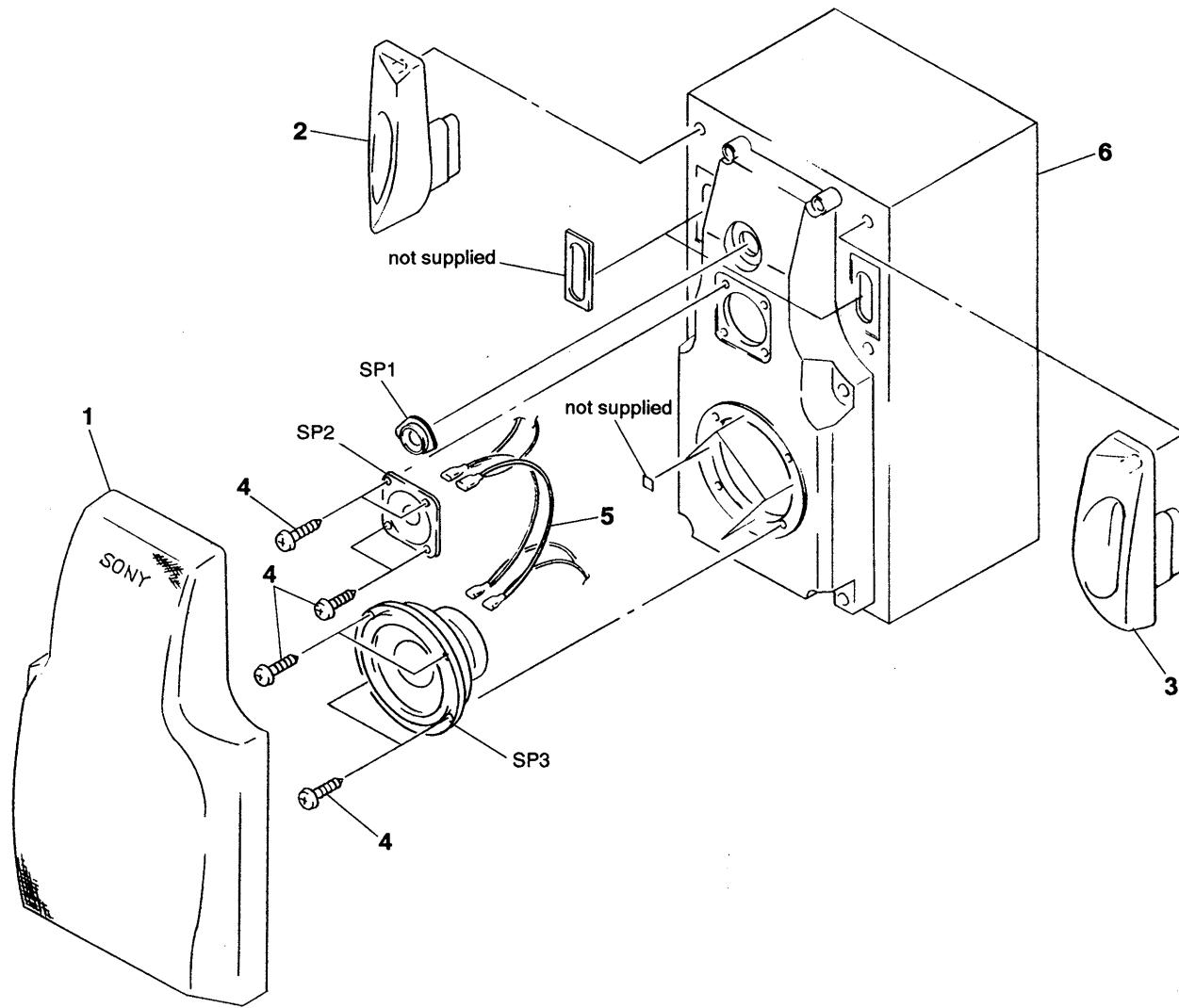
Speaker system	3-way speaker system
Speaker units	Woofer: 17 cm dia., cone type Tweeter: 6 cm dia., cone type Super tweeter: 2 cm dia., dome type
Nominal impedance	8 ohms
Dimensions	Approx. 260 × 480 × 270 × mm (10 <sup>1</sup> /4 × 19 × 10 <sup>3</sup> /4 inches) (w/h/d)
Mass	Approx. 5.5 kg (12 lb 2 oz)

SPEAKER SYSTEM  
**SONY**®

## EXPLODED VIEW

## NOTE:

- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked “\*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	X-4946-655-1	FRAME ASSY, GRILLE				ACCESSORIES & PACKING MATERIALS	
2	4-979-405-01	DUCT (L), ORNAMENTAL				*****	
3	4-979-406-01	DUCT (R), ORNAMENTAL					
4	4-874-614-61	SCREW (M3.5X16)					
5	1-775-332-11	LEAD (WITH CONNECTOR)		*	4-979-452-01	CUSHION	
* 6	A-4361-880-A	CABINET ASSY, SPEAKER					
SP1	1-504-639-11	SPEAKER (2CM) (SUPER TWEETER)					
SP2	1-504-872-11	SPEAKER (6CM) (TWEETER)					
SP3	1-505-213-11	SPEAKER (17CM) (WOOFER)					

**Sony Corporation**  
 Consumer A&V Products Company  
 Home A&V Products Div.

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